



CATALOGUE 51

J&C Joel 

Inspiration in every performance



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04 Welcome



Welcome to our brand-new catalogue. We are proud to present you with a range of new features, including detailed sections, providing comprehensive information on our products and services. We have introduced a number of buyer's guides, to help our customers make informative choices and we are delighted to share a number of new innovative fabric ranges with you.

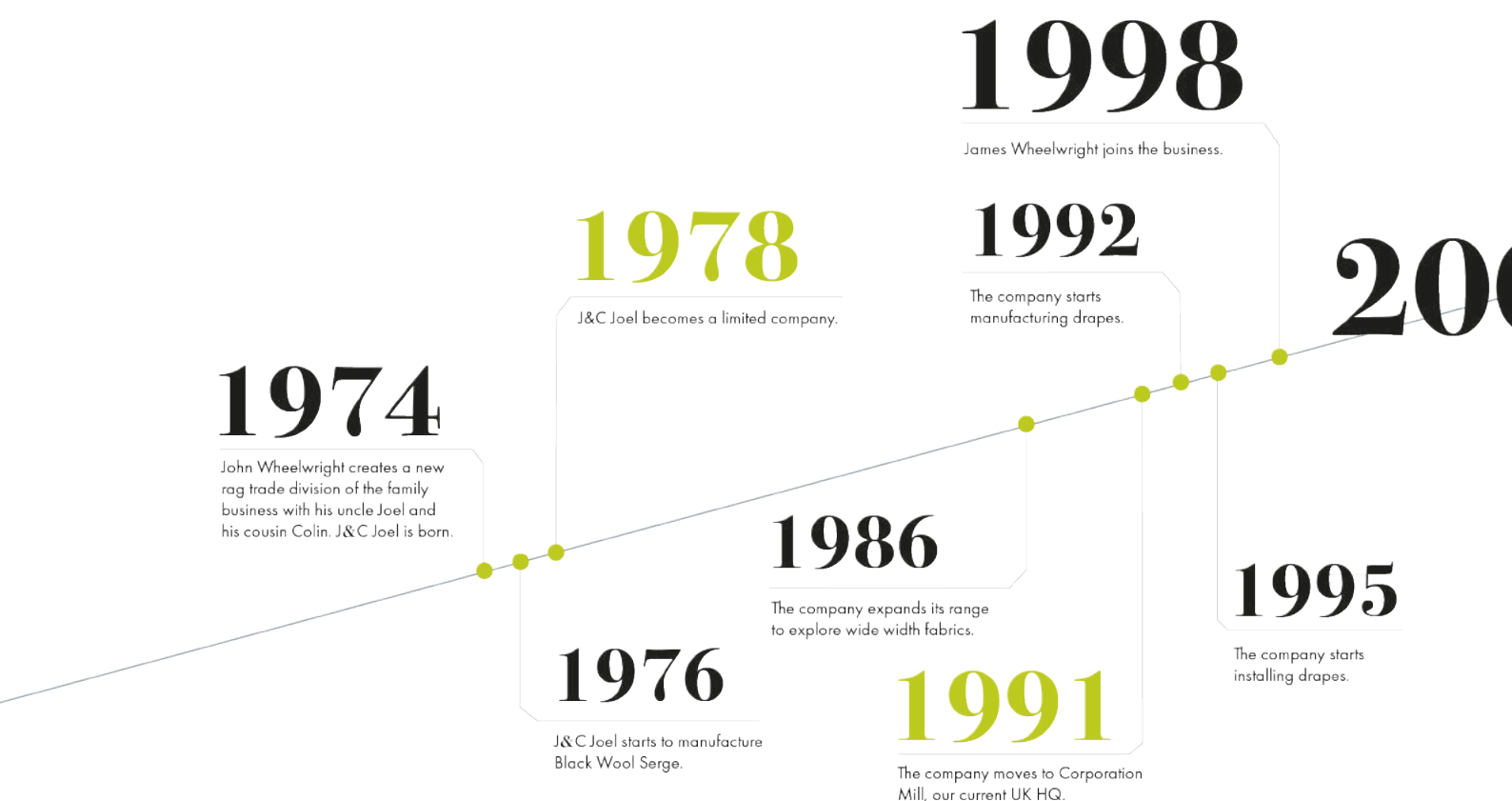
The catalogue showcases our impressive work from around the world; whether it's a simple roll of fabric you require, a technical Front of House drape or a more complex, fully integrated solution in a prestigious venue, our team can deliver your requirements whatever they may be.

I do hope you will find it a useful resource, however, if you need any further support, our Sales Team is always on hand to answer any of your questions and help guide you towards the right products and solutions.

From our humble beginnings in Yorkshire, we are proud to have become a truly global business. We now export to over 85 countries and have locations in the UK, Romania, U.A.E, Hong Kong and Vietnam.

The J&C Joel family continues to be dedicated to putting our customers at the heart of everything we do, ensuring that your requirements always takes centre stage. Thank you for being the inspiration behind the performance.

James Wheelwright
CEO





J&C Joel's HQ - Corporation Mill, Corporation Street, Sowerby Bridge, HX6 2QQ, UK

2008

Offices open in Dubai and Hong Kong, allowing the company to become a truly global business.

2010

Awarded 'Exporter of the year' by the 48 group club.

2002

The company diversifies into stage machinery.

2011

Office in South Africa opens.

2018

J&C Joel's 40th Anniversary.
Office in Romania opens.

2021

Continuing to be the inspiration behind the performance.

2014

Office in Macau opens.

2017

New Facility in Vietnam opens.

Awarded 'Exporter of the Year' at the Yorkshire Business Masters Awards.

Awarded 'Exporter of the Year' at Insider Media Made in Yorkshire Awards.

The Lloyds National Business Awards 'Exporter of the Year'.

'Exporter of the Year' The Yorkshire Post Excellence in Business Awards.

2006

John Wheelwright retires and James Wheelwright becomes the CEO.

2015

Awarded 'SME Exporter of the Year' at the Yorkshire Business Masters Awards.

2016

J&C Joel launch dealer and distributor model in Europe and Russia.

Group CEO James Wheelwright is crowned 'Business Person of the Year' by the Halifax Courier.

06 What Do We Offer?

Fabrics & Flooring

J&C Joel are one of the world's leading manufacturers and suppliers of flame retardant fabrics and flooring, designed specifically for the technical requirements of the event and entertainment industries.

We hope you agree that we offer a comprehensive portfolio of quality fabrics and flooring. There are many fabrics that come in a variety of colours and many with the ability to custom dye to your preferred shade. Our products comply with the British flame retardancy standards as a minimum and many also hold a variety of other recognised international certifications.

From the company's wool manufacturing heritage, our Wool Serge products are firmly recognised as industry staples. These are complemented by our luxurious range of velvets, wide width fabrics up to 12m, the latest in scenic and event fabrics, canvases which can be painted using scenic paints such as the Rosco ranges found on pages 88-91 and a collection of event and performance flooring.

We stock tens of thousands of metres of fabric throughout our global offices and we offer a full A4 sample service. These can be ordered through our website or one of our global offices with samples despatched around the world daily.

We are always looking out for the next innovative product to ensure we are providing the latest fabric and flooring technology to our customers. If you can't see something in our extensive catalogue, then our experienced and knowledgeable team will endeavour to source it.

Drapes & Shapes

J&C Joel go beyond the manufacture and supply of fabrics and flooring. We design, manufacture and install an extensive range of drapes and shapes that feature in a wide spectrum of performing arts venues, live events and ceremonies around the world.

J&C Joel's comprehensive range of velvets can be found in the house curtains of school auditoriums as well as world-famous theatres. As experts in traditional decorative techniques, such as appliqué, fringing and embroidery, we can recreate the beautiful drapery of the opulent theatres of yesteryear, through to manufacturing modern designs for the most contemporary of venues.

Our curtains, projection surfaces and fabric creations can be made from any of the fabrics from our range. We will help you choose something that perfectly matches your specifications or help recommend something based on our proven experience.

If you are looking for something to bring your drape to life, we offer a range of fibre optic and LED star cloths that can be customised to suit your desired effect and budget. We also have a variety of fabrics and flooring that can be digitally printed to create an impact and add a finishing touch to any production.

Our teams take great pride in guaranteeing the quality of our designs, materials and finishes. We have the experience, expertise and enthusiasm required to make sure you will be delighted with your products and services, ensuring we continue to be the inspiration behind your performance.

Whatever your vision, we can make it a reality.

Stage Engineering & Maintenance Services

Within the catalogue, we have chosen to showcase the most popular technology, commonly used throughout our projects. These include mechanisms that we have designed and manufactured ourselves, proprietary items from specialist manufacturers and systems we have developed using the technology of our valued partners.

A number of items can be supplied for our customers to install, with J&C Joel providing the relevant shop drawings and O&M manuals. However, if you require our expertise, we have a full team of designers, project managers, and site engineers available. Their specialist knowledge and industry experience allow us to offer a turn-key service from specification to sign off.

We have successfully delivered engineering projects in Asia and the Middle East, as well as the UK and Europe. These include large, technically complicated stage machinery systems, as well as smaller, simpler, manual rigging installations. We always strive to exceed our customers' expectations, ensuring that budgets and specification are adhered to.

As part of our service offering, we also provide maintenance checks on the products that we have installed, as well as installations by others. These checks can provide you with the peace of mind that your system is working safely, as well as the early identification of any potential repairs and upgrades that are required to avoid costly breakdowns in the future.

Tracks & Drapery Systems

Our combined knowledge of stage machinery and experience as a drapery manufacturer, helps us to provide you with the best solutions for making fabrics move for your show or event.

For horizontal movement, we supply and install Triple E track systems. Their flexible range of modular systems provides our customers with a variety of options to suit performance requirements, whether it be a studio, performance space, show or event. The heavier gauge tracks also work well with scenery. The components can be used within an adapted system to fulfil more unusual design briefs and the motorisation can be integrated with other systems for more complicated control requirements. In addition, we can supply and install lighter track systems from brands such as Silent Gliss, Goelst, and Yewdale.

For vertical movement, we have developed a number of festoon systems that can operate multiple cables, which concertina the fabric as it is raised. We can also manufacture heavy-duty, wide width roller mechanisms to raise and lower backdrops, cycloramas, and screens. Our range of acoustic banners use a different style of roller mechanism to deploy fabric in order to absorb sound in a performance space. For shows, where something a bit more special is required, we can create spectacular reveals using kabuki mechanisms and high-speed drape retraction units.

08 Where Are We Located?

6 sales offices

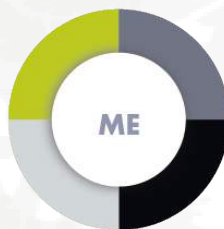
3 manufacturing facilities

3 warehouse facilities

2 project hubs



- J&C Joel's Headquarters, based in Sowerby Bridge, West Yorkshire.
- 7000 Sqm of Office, Manufacturing and Warehouse Space
- 109 Members of Staff
- **Business Hours -**
Monday - Thursday - 8.30am - 5.30pm
Friday - 9.00am - 3.00pm
GMT (BST+1)



- J&C Joel Middle East based in Dubai, UAE
- 475 Sqm of Office, Manufacturing and Warehouse Space
- 14 Members of Staff
- **Business Hours -**
Monday - Thursday - 8.30am - 5.30pm
Friday - 9.00am - 3.00pm
GMT +4 (BST+3)



- J&C Joel Vietnam based in Bac Ninh Province
- 930 Sqm of Manufacturing and Warehouse Space
- 8 Members of Staff
- **Business Hours - 9.00am - 6.00pm**
GMT +7 (BST+6)



- J&C Joel Europe, based in Romania, consists of a network of dealers and distributors, who are supported by our strong, dedicated European Sales team.
- **Business Hours - 9.00am - 5.00pm**
GMT +2 (BST+2)



- J&C Joel Hong Kong has a dedicated sales team available for customers to access support, with manufacturing provided by our worldwide facilities.
- **Business Hours - 1.00pm - 9.00pm**
GMT +8 (BST+7)
Winter - 2.00pm - 10.00pm



- J&C Joel Macau, registered business office.



- J&C Joel South Africa, registered business office.



Headquarters
Sowerby Bridge



Headquarters
Sowerby Bridge



Manufacturing
Sowerby Bridge



Manufacturing
Viet Nam



10 Flame Retardant Fabric

What is flame retardant fabric?

To be considered as flame retardant, the fabric must adhere to one of the recognised fire safety standards. To ensure the maximum safety of our worldwide customers, we carry out a variety of flame retardancy tests on our fabrics.

All our flame retardant fabrics meet the British Standard BS5867 part 2 type B, which is widely accepted around the world. We also have fabrics that meet European, French, German, Australian and American standards, which would be suitable for touring shows or permanent use in venues.

How does it work?

Using flame retardant fabrics helps in two ways:

- They self-extinguish once the source of ignition is removed, limiting the spread of fire.
- They help reduce heat build-up and prevent rapid fire development.

Why do flame retardant fabrics need to be used?

When fabrics are used in public places, such as theatres, bars, restaurants, arenas and at events, they are identified as a potential fire hazard and are therefore required to comply with local flame retardancy standards to ensure the safety of everyone in attendance.

Failure to adhere to these regulations could result in closure of venues, cancellation of events and in extreme cases, injury or loss of life. Before starting a project, it is advised that you liaise with your local Fire Authority to check which type of flame retardancy certification you will require.

The safety of our customers is paramount and we can work with you to ensure the fabrics you select are compliant with legislation.

Our different flame retardant durabilities

				
NDFR	Not FR	DFR	FR	IFR
Non Durably Flame Retardant	Not Flame Retardant	Durably Flame Retardant	Flame Retardant	Inherently Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated.	no flame retardant treatment.	chemically treated to withstand a number of cleanings.	chemically treated to an individual specification.	woven from fibres with a high flame retardancy.



Certification

There is not a standard method for testing flame retardancy and each country has its own procedure which makes them difficult to compare, however, the industry has formed an unofficial ranking of the tests based on the difficulty of passing them. The most recognised and widely accepted standards are British, French and German.

Being specialists in flame retardant fabrics, we strive to ensure all our products, where applicable, meet one or more of the standards listed below. There are many standards recognised globally. If you have a product in mind, speak with our team for products we would recommend for your region.

Australia & New Zealand



Conforming to Australian fire regulations

AS1530 parts 2 and 3

Vertically supported textiles

China



Conforming to Chinese fire regulations

GB-B1

Building products

Europe



Conforming to European fire regulations

EN 13501-1

Construction, products and building elements

Construction Materials Classifications

B-s1 – *Very limited contribution to fire*

C-s1 – *Limited contribution to fire*

Floorings Classifications

BFL-s1 – *Very limited contribution to fire*

CFL-s1 – *Limited contribution to fire*

EN 1021-1/2 : 1994

Upholstered furniture

EN 13773 : 2003

Burning behaviour of curtains and drapes

VdS

Fire protection systems inc. sprinkler systems

France



Conforming to French fire regulations

NF P 92 503-507 (M1/M2)

Burning behaviour of curtains and drapes

Classification

M1 – *Non flammable*

M2 – *Flame retardant*

Germany



Conforming to German fire regulations

DIN 4102 (B1)

Burning behaviour of curtains and drapes

Classification

B1 – *Not easily flammable*

Great Britain



Conforming to British fire regulations

BS 5867 part 2 type B

Burning behaviour of curtains and drapes

BS 4790 : 1987

Burning behaviour of textile floor coverings

CRIB 5

Burning behaviour of upholstery

International Maritime



Conforming to International Maritime Organisation

IMO FTPC P7

Vertically supported textiles and films

IMO Res. A563 (14)

IMO FTPC P8

Upholstered furniture

IMO Res. A652 (16)

United States of America



Conforming to American fire regulations

NFPA 701

Vertically supported textiles and films

Fire Certificates

Each fabric page on our website has a download option for a specimen of the relevant fire certificates. If you have recently purchased fabric and require an official certificate, please contact our sales team who will be able to provide you with the most up to date version.

The production of an up to date fire certificate can usually be matched to the drapes you have hanging. This, in most cases, will comply with local regulations. Please refer to important information page 20.

12 Fabric Care

Inspections, Cleaning & Dust

Regular checks help your drapes continue to look the part but also to ensure they remain flame retardant. Dust and other particulates can build up on your drapes over time, which can act as an accelerant to fire if. If left unchecked this can create a potential risk.

J&C Joel is able to advise on a suitable inspection regime and, if required, are able to undertake work to remove detritus that may otherwise pose a risk and whilst doing so breathe new life into your drapes.

This work can range from a simple vacuuming to remove dust through to the removal, cleaning and reattaching of trimmings, other embellishments and everything in between.

We carry out much of our work on-site, often working at height on fixed pelmets and other hard to reach areas.

Our skilled team is also able to carry out repairs and other inspection tasks in conjunction with this cleaning work. Where circumstances allow, we are also able to remove the drapes for a full assessment at one of our facilities before undertaking any necessary work.

For further details regarding care, cleaning and repair, please speak to our Specialist Drapery team on +44 (0)1422 833835



Life Span of a Drape

The life span of a drape is hard to define and will always depend on how it is cared for and the environment in which it is hung. However, the longevity of the flame retardancy within fabrics can be much easier to outline.

NDFR fabrics are chemically treated with a water-based solution and therefore if they become wet in any way they should be retreated or replaced. If NDFR fabrics are used in humid countries the longevity of the flame retardancy could be affected due to the moisture in the air. We would advise you to retreat and/or replace your NDFR drapes periodically to ensure they continue to meet flammability requirements.

DFR fabrics are also chemically treated but can withstand cleaning a number of times. These fabrics are more suitable for humid climates as normal moisture levels won't affect the chemical. If the care instructions for DFR fabrics are adhered to, they will remain flame retardant for the life span of the drape.

IFR fabrics are constructed from fibres with an inherent high flame retardancy making the fabric flame retardant for life and if it became wet would not require re-treating. This means they are perfect for the touring market and humid climates as the high temperatures and moisture won't affect the flame retardancy of the fabric. IFR fabric remains flame retardant for the life span of the drape unless another process is added to it. If this happens, we would advise for the fabric to be retested and/or treated.

Dust build-up will affect the flame retardancy of all drapes and can become the ignition point for a fire. It is advised that customers request our services for inspection and cleaning or if able, follow the instructions regarding periodic dry cleaning, gentle brushing in the direction of the pile and vacuuming using a drapery attachment, as recommended on our Composition and Care datasheets.

If care instructions are not adhered to this could have a detrimental effect on the flame retardancy of the fabric.

Fire Check

Suitable for many products that are untreated and non flame retardant, MSL Firecheck Retardant Spray can be applied to protect drapery, costumes and scenery from fire.

The spray forms an inert, carbonised shield on the surface of the fabric, that reflects heat and prevents gasses, which support fuel combustion, from escaping. Applying a fine mist to all exposed areas of fabric that require treatment results in a surface which is more resilient to fire.

Please note: 1 litre covers 10m².

It is supplied ready to use colourless, odourless and non-toxic.

Packaging colours may vary.

FSC001
75cl Spray bottle



FSC002 - 5 litre container

Repair Tapes

A tool box essential. Our repair tapes allow you to patch any damage to Wool Serge or Molton drapery, saving you time and money.

Wool Serge Tape

For quick and easy repairs in black Wool Serge drapes.

JST001 - 20m roll, 50mm Wide



Molton Tape

Designed for repairing tears in black Molton drapes.

JMT001 - 25m roll, 50mm Wide



14 Acoustics

Sound is made up of vibrations or sound waves, formed by objects shaking back and forth. These sound waves travel through air, water and solid objects. When they reach our ears, they make the delicate skin of the eardrums vibrate and translate into sounds we recognise.

The scientific study of sound waves is known as acoustics.

The following pages are designed to act as a guide to help you understand some of the key factors involved in acoustics. Our aim is to get you thinking about your space, the type of performance(s) you are wanting to stage and the problems you are seeking to overcome.

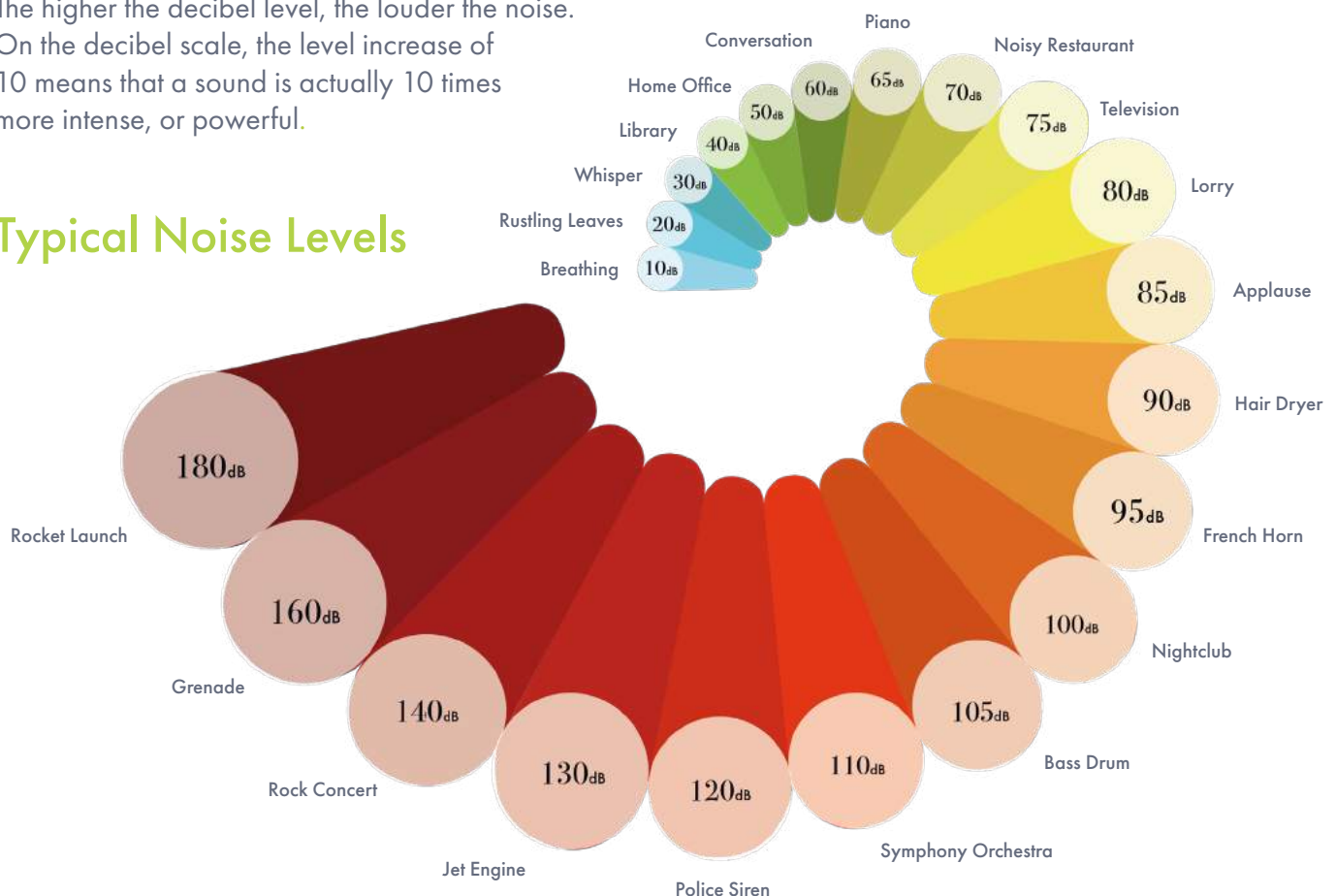
We would always advise you to seek input from a professional acoustician. Our expert team is always on hand to facilitate such a conversation, offering guidance and support as to which products are most suitable to meet your needs.

Decibels (dB)

The decibel (dB) is the unit used to measure the intensity of a sound. Your ears can hear everything from your fingertip brushing lightly over your skin to a loud jet engine.

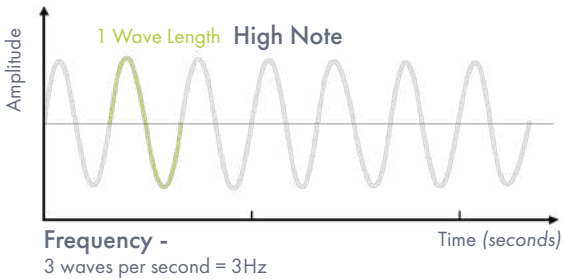
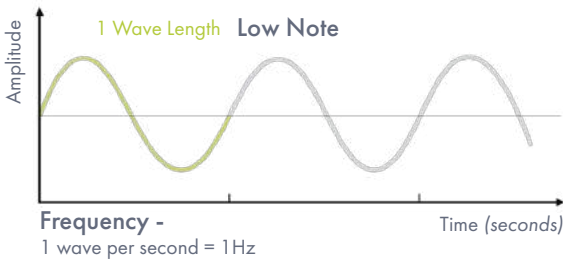
The higher the decibel level, the louder the noise.
On the decibel scale, the level increase of 10 means that a sound is actually 10 times more intense, or powerful.

Typical Noise Levels



Frequency

Frequency is the speed of the vibration and determines the pitch of the sound. Frequency is measured as the number of wave cycles that occur in one second, this unit is measured in Hertz (Hz). Humans can detect sound in a range of 20Hz to 20kHz.

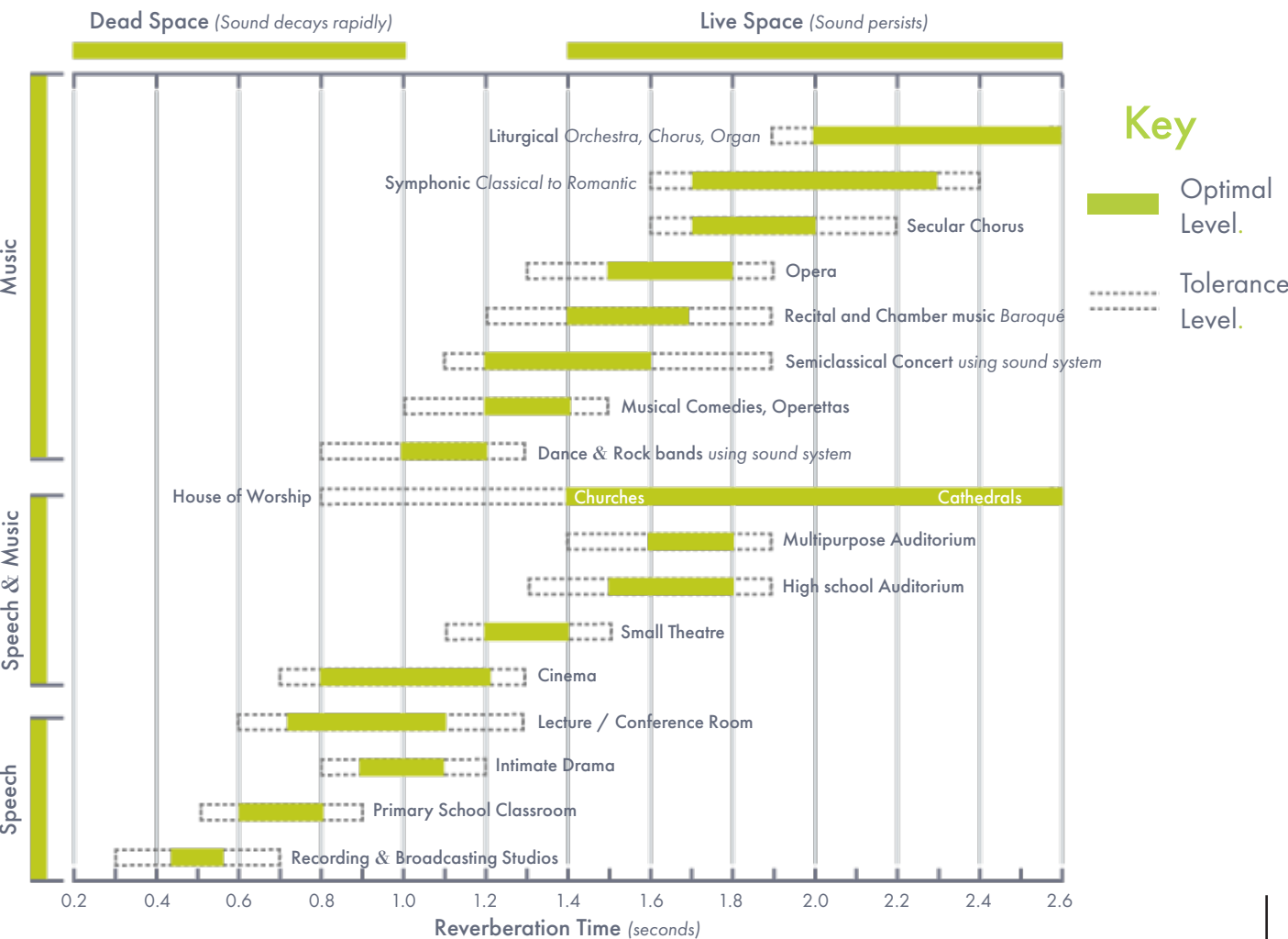


Reverberation Time

Sound in a room will repeatedly bounce off surfaces such as the walls, the ceiling and floor or other hard surfaces. When these reflections combine, a phenomenon known as reverberation is created. Reverberation reduces when the reflections hit absorptive surfaces such as curtains, soft furniture and even people.

The reverberation time of a room or space is defined as the time it takes for sound to reduce (or decay) by 60dB. For example, if the sound in a room took 5 seconds to decay from 90dB to 30dB, the reverberation time would be 5 seconds.

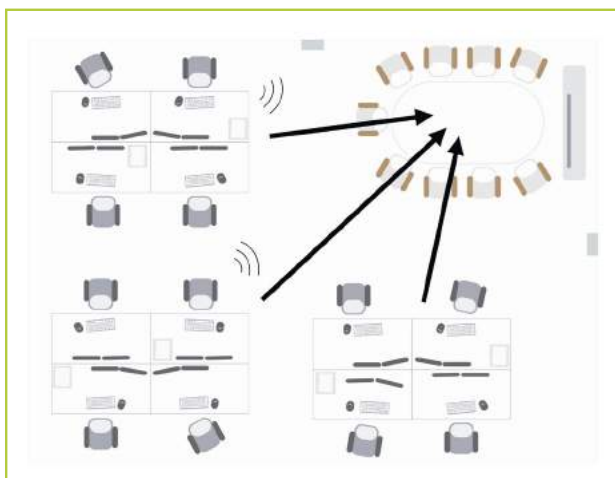
In order to enhance the experience for your audience, it is vital to understand the acoustic requirements of the performance as these need to be in harmony with the reverberation time of the space.



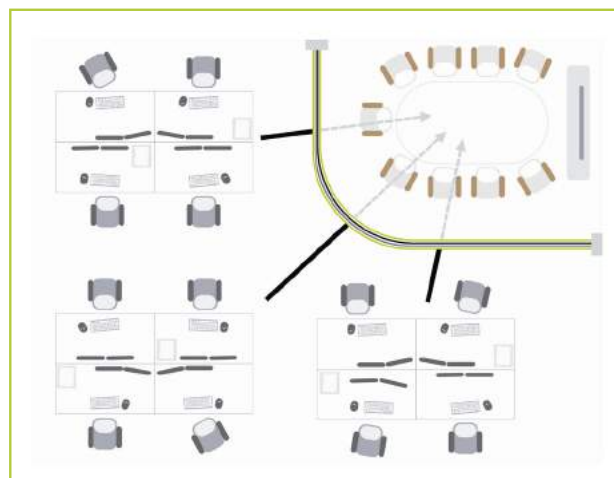
Sound Absorption and Insulation

There is a key difference between acoustic absorption and acoustic insulation. The graphics below are designed to show you this difference and help you achieve the perfect acoustics in your space.

Issue - Sound Transmission

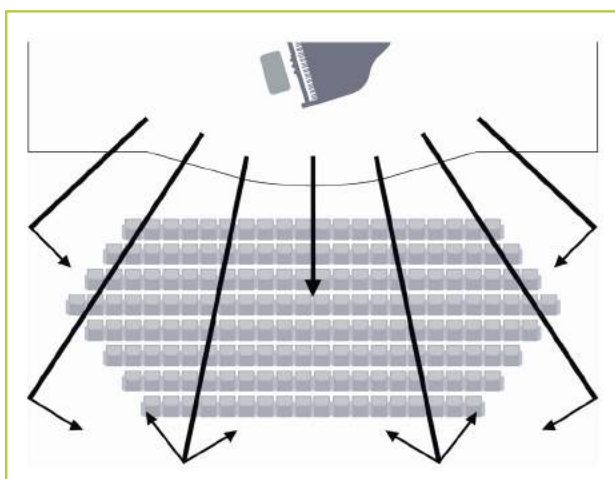


Solution - Acoustically Insulating Drapes

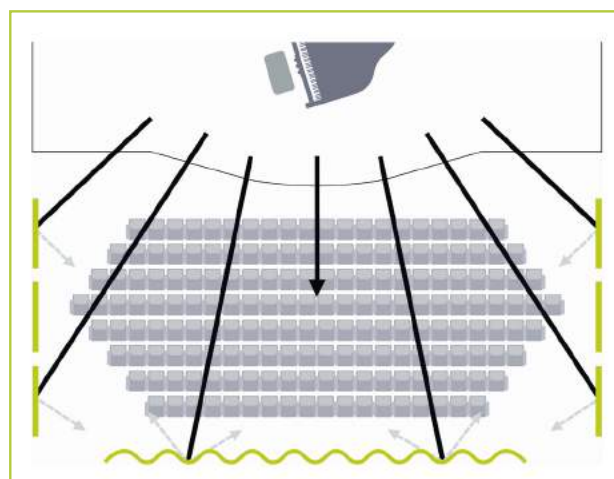


Multilayered drapery can be installed in open office environments to create privacy and prevent sound transmission.

Issue - Slapback Echo

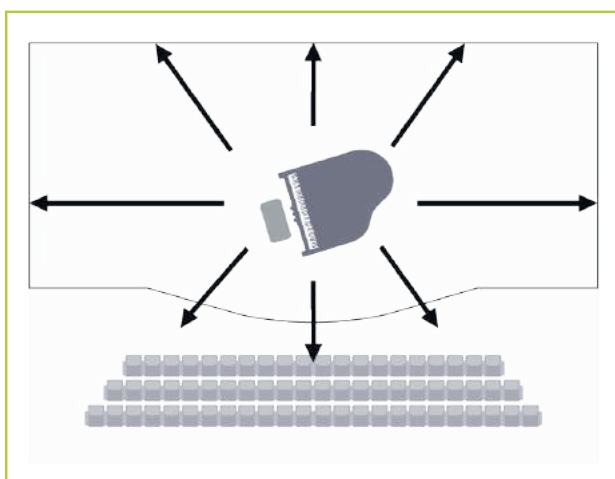


Solution - Measured Absorption

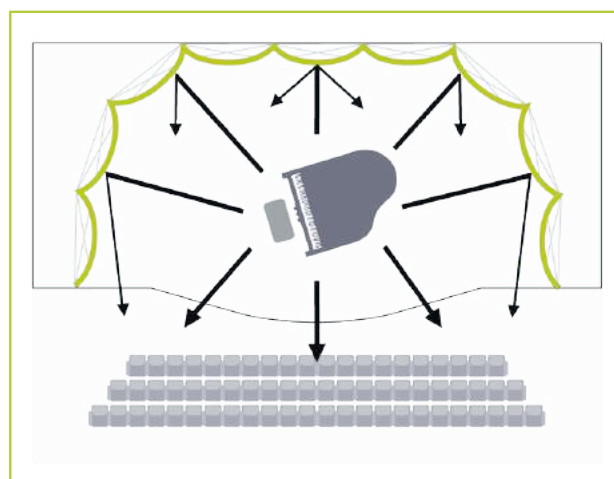


Acoustic drapery, banners and panels can be used to absorb slapback echo within auditoriums and performance venues.

Issue - Sound Dissipation



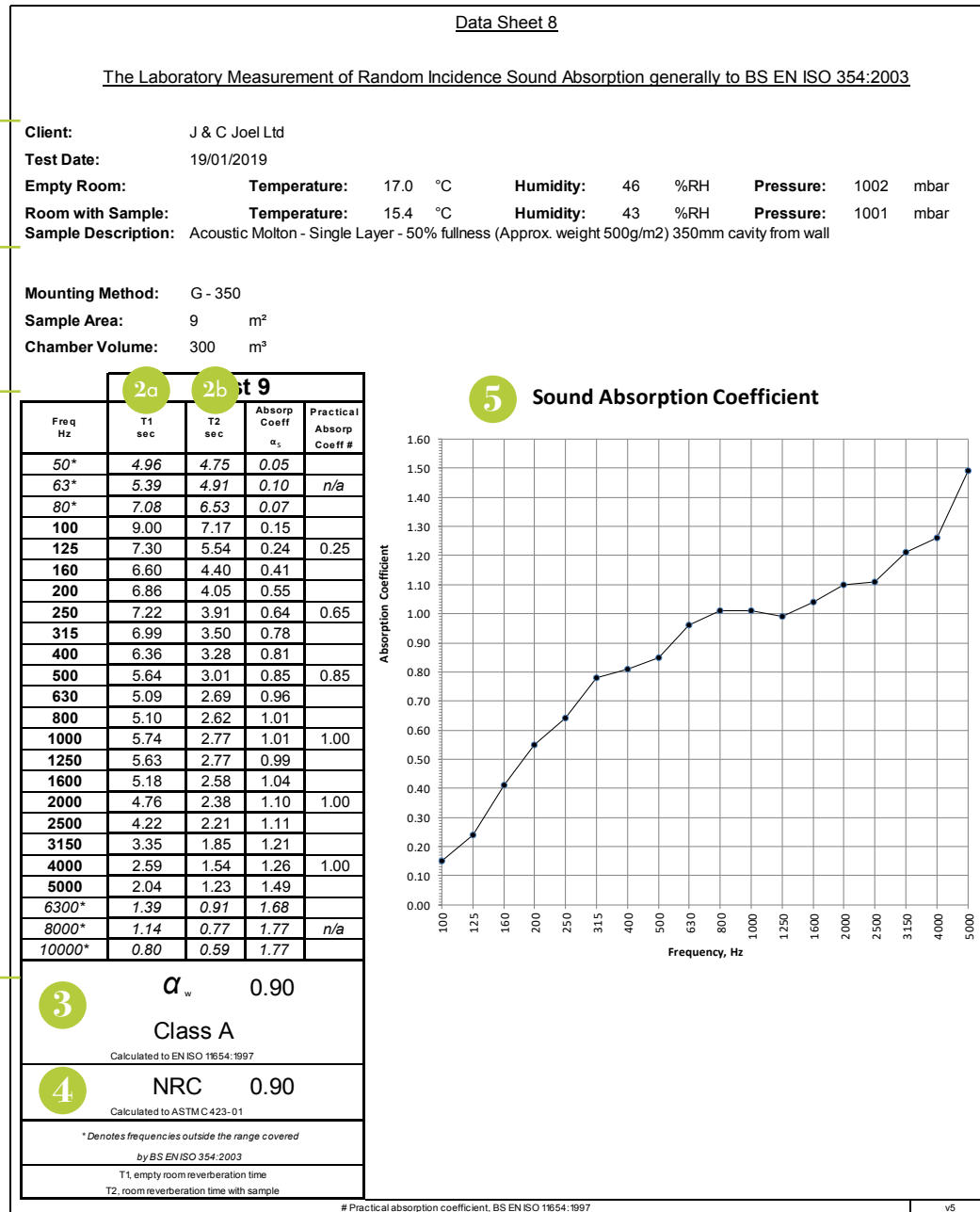
Solution - Positive Reflection



Acoustic shell systems can be installed on stage to reflect lost sound towards the audience.

Acoustic Test Reports

A collection of our products are tested for their acoustic properties. These tests produce a sound absorption coefficient classification, which helps us to objectively demonstrate their effectiveness and offer you the best product for the space you are wanting to improve. All of our acoustic reports are available for download on the J&C Joel website. For more information or to discuss your acoustic needs contact our team today.



1. Test Conditions

The temperature, humidity and pressure of the room in which the test was conducted.

2. Test Results

SAC results table, across the sound frequency spectrum.

2a. T1 - reverberation time in an empty room.

2b. T2 - reverberation time in a room with the drape.

3. SAC Classification (at 1KHz)

The Sound Absorption Coefficient is the fraction of sound energy absorbed by a material expressed as a value between 1.0 (perfect absorption / no reflection) and 0 (zero absorption / total reflection).

4. Noise Reduction Coefficient

Similar to the sound absorption class but using an American test standard, according to ASTM C 423/01.

5. Sound Absorption Coefficient (SAC)

Graph displaying results of sound absorbers into sound absorption class A-E, according to BS EN ISO 11654:1997, including frequencies.

For more information please contact our sales team.

18

Set The Stage

1. Cyclorama

A.K.A. cyc.
Often used for projection of backdrops and scenes.

Recommended products
Canvas. Muslin. Filled Cloth.

2. Backdrop

A.K.A. scenic curtain.
Traditionally painted but can also be digitally printed.

Recommended products
Canvas. Printed Fabric.

3. Border

A.K.A. teaser.
Used to mask lighting, rigging, flying scenery and curtains.

Recommended products
Serge. Velvet. Trevira Molton CS.

4. Leg

Used to mask the offstage area, hide scenery and create entrances for the actors.

Recommended products
Serge. Velvet. Trevira Molton CS.

5. Traveller

To allow uninterrupted scene or set changes; a travelling drape can be used to divide up and downstage.

Recommended products
Serge. Velvet. Trevira Molton CS.

6. Tabs

An alternative to borders and legs; tabs can be used to create wings at each side of the stage.

Recommended products
Serge. Velvet. Trevira Molton CS.

7. Gauze/Scrim

Commonly used for lighting and transformational stage effects.

Recommended products
Sharkstooth Gauze. Fine Gauze.

8. Teaser

A.K.A. Portal header.
Commonly used to create a false proscenium if the theatre does not have a front drape.

Recommended products
Wool Serge. Velvet.

9. Tormentor

A.K.A. Portal legs.
The front legs; used with a teaser to frame the stage when a solid proscenium is not present.

Recommended products
Wool Serge. Velvet.

10(a). Pelmet

A decorative drape, hung or mounted on framework, used to hide the top of the front of house curtain. Traditionally finished with appliqué.

Recommended products
Velvet.

Upstage

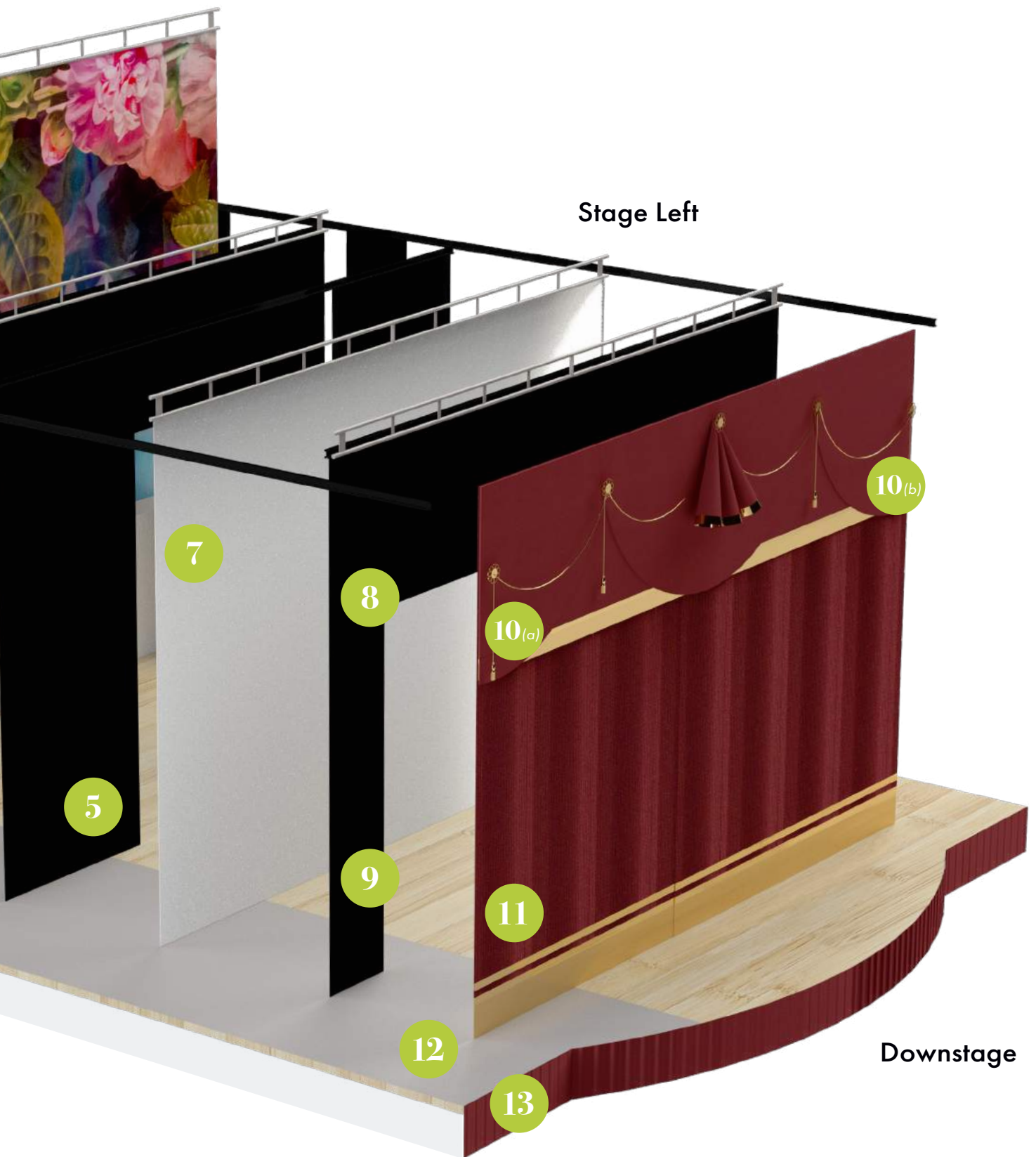


Stage Right

10(b). Valance

A.K.A. House border.
A decorative curtain hung above the front curtain to conceal track and rigging hung or mounted on a framework.

Recommended products
Velvet.



11. Front of House

A.K.A. the House Curtain or Grand Drape.
Used to open and close the stage during performances.

Recommended products
Velvet.

12. Stage Floor

Many people choose to cover the surface of a stage to soften the surface and offer grip.

Recommended products
Joel Acoustic Dance. Joelmat.
Linen Flooring. Walking Canvas.

13. Stage Skirt

A Stage Skirt is often used for aesthetic purposes; creating a clean, professional look and finish on the front of your stage.

Recommended products
Serge. Velvet. Trevira Molton CS.

Another term you may hear is **Proscenium**, often referred to as 'The frame of the stage', commonly a solid structure which separates the back stage and front of house areas. When a physical proscenium is not present, a false one can be created with a hard Teaser and two Tormentors.

20 Important Information

Goods Checking

To ensure your event goes as smoothly as possible, it is strongly advised that all goods are checked upon arrival, and that J&C Joel are immediately informed in writing of any issues found. For Projection Screen checking, please refer to page 108.

Muslin, Canvas & Scenic

Our wide range of Muslin, Canvas and Scenic fabrics are offered in a variety of widths. The construction of these fabrics may differ depending on their width. In order to obtain a tear-resistant material; consideration of this should be made when using two different widths of the same fabric.

Datasheets

Every product has a complement of documentation available including tailored Composition and Care sheets, relevant Fire Certificates, relevant Acoustic Test Reports, Technical Datasheets and Project Profiles showcasing products in situ. All can be downloaded on our website or requested through our sales team.

Sample Service

J&C Joel offers a free A4 sample service, which can be ordered through our website or by contacting one of our global offices. Samples are despatched globally daily. Express services can be arranged at a charge.

Dye Batch & Swatches

Whilst every care has been taken to represent a true colour match, colour may vary depending on the batch and how its viewed. Therefore, an exact match cannot be guaranteed and we recommend requesting a physical sample. Product batch sizes may also vary, and large orders may extend beyond one batch. Custom colours are available on request with a minimum order depending on the fabric.

Uneven Edges

Due to certain textile manufacturing processes, uneven edges may occur on some fabrics. We take care to control and minimise this where possible.

Velvet Pile

A.K.A. Nap.

Our house standard for Velvet drapery is to manufacture pile up. We find that this gives a greater depth of colour, less light reflection and also speeds up the pile recovery time when hung.

Gauze

To produce the best results, transformational gauzes should be manufactured in their correct orientation. Please speak to our sales team for advice.

Catalogue

All information in this catalogue is subject to change without notice. All information was correct at the time of printing. Please see our website for the most up-to-date version. Technical datasheets are also available on our website. If you cannot find the information you need, please contact our sales team.

Tolerance

Recognised commercial tolerances should be expected in regard to product attributes. Care is taken to ensure discrepancies are minimal. Fabrics made from natural fibres are more likely to carry variances from batch to batch.

Fire Certificates

All our flame retardant fabrics hold one or more internationally recognised certifications. It is the responsibility of the customer to establish the legislative requirements for its intended use. If a fabric you require does not appear to meet a specific fire standard, please contact us to see if this test has been conducted.

Scenic Painting

Our fabrics are not sanforised (pre-shrunk) and will therefore need to be sized before final painting. To produce the best results for any scenic painting, professional theatrical scenic paints and finishes are required. If you are unsure of which products and processes will achieve the optimal finish, advice from a scenic artist is recommended.



Committed to a Greener Future

At J&C Joel we are committed to leading the way in terms of minimising the effects of our operations on the environment, by following responsible policies and setting a positive example within our industry.

Whether locating cotton for our canvases and backdrops, wool for our serges or the raw materials for our range of stage machinery, our aim is to secure products from responsible, environmentally friendly sources wherever possible. We are always on the lookout for ways to reduce our carbon footprint without compromising the high quality of all our products.

We work closely with the largest brands and manufacturers within the theatre, entertainment and stage machinery industries to ensure that all of the third-party products we offer meet the environmental standards we set for ourselves, as well as the standard of quality expected by our customers.

The responsible sourcing of materials is only one part of our environmental agenda. We ensure that all of our manufacturing and office waste is recycled wherever possible, and follow a rigorous recycling process of our fabrics, plastic, cardboard, glass and paper. We are committed to reducing the environmental impact of our fabrics in terms of their manufacture and the chemical flame retardants we use to treat them. We also work hard to source a low-micron packaging to send our products, which can be recycled upon receipt of your goods.

Travel is inevitable in an industry that provides services across the country and around the globe. We constantly seek ways to minimise our carbon footprint whilst on the move. We run an ever-growing fleet of electrical company vehicles with zero-carbon emissions, use public transport to travel to meetings where feasible and use interactive technology for face to face communications to minimise travel requirements.

Important Information Continued

Key

Attributes

	Approximate roll length in linear metres (m) & feet (ft)		Approximate thickness in millimetres (mm)		FR Flame Retardant
	Approximate bale length in linear metres (m) & feet (ft)		Ability to custom dye		NDFR Non Durably Flame Retardant
	Approximate width of material in centimetres (cm) & inches (")		Fire certification that relates to each product		DFR Durably Flame Retardant
	Approximate weight in grams per metre squared (g/m ²)		Not FR Not Flame Retardant		IFR Inherently Flame Retardant

Properties

These icons highlight recommended uses for products throughout our range. Whilst these are our recommendations, contact our sales team, who may be able to offer alternatives to fit your requirements and budget.

	Blackout		Abrasion Test		Acoustic		Air Permeable
	Stretch		Digital Print		Lightweight		Lining / Interlining
	Projection		Recycled		Water Resistant		

Trevira CS



Any fibre treated with additional flame protection is subject to lose its protection over time due to wear, age and cleaning treatments and consequently may require retreatment in the future.

Trevira CS fibres are Inherently flame retardant meaning materials made from these fibres will remain protected for the life of the product, provided care instructions are followed and no further processes are added to the fabric.

We are proud to offer a selection of Trevira CS fabrics in our catalogue. These are clearly marked throughout our catalogue with the Trevira CS logo.







Acoustic, Masking & Blackout

Acoustic, Masking and Blackout fabrics are an essential element of drapery for events and entertainment. Masking and Blackout fabrics usually consist of black legs, borders, travellers and tabs that help create a black box to block, dim and absorb light. This also conceals offstage areas and equipment, ensuring the lighting has a strong visual impact and the audience's attention is focussed on the performance.

Acoustic fabrics in this range also offer a highly effective way to control and enhance the sound in any venue. Our acoustic fabrics are densely constructed to help reduce noise reverberation in space by absorbing reflections of sound. This improves sound intelligibility in a variety of venues including arenas, rehearsal spaces, theatres, education spaces and live events.

We offer our Acoustic, Masking and Blackout fabrics with a range of flame retardancy durabilities including NDFR, DFR and IFR and with worldwide certifications.

26 Wool Serge

J&C Joel has been supplying Wool Serge to the theatrical, event and entertainment industries for over 40 years. It has been shipped to over 85 countries worldwide and is hanging in some of the most prestigious venues around the world.

Over the years, we have developed a range of different constructions, weights, and colours. We have a premium range using virgin wool and various blends, but the majority of our serges are produced from recycled wool products. This helps reduce the environmental impact of our fabric production.

Our recycled black wool products are fibre dyed in bulk, in order to maintain colour consistency. Our premium and coloured wools are batch-dyed as finished products, but in large quantities.

The complicated production method of wool serge is surprising when we consider its reasonable cost ...

Raw wool is carded - a process that straightens the wool fibres. Then re-spun into yarn and woven on traditional looms to J&C Joel's bespoke designs.

From the loom, the fabric is washed to remove impurities and milled - a traditional technique that makes use of the natural propensity of wool fibres to migrate and become entangled within the yarn and fabric structures. Milling, (also known as fulling) is the controlled felting of woven woollen fabrics. As a result, the fabric consolidates in both the warp and weft directions and becomes thicker.

Milling also reduces air permeability which assists in achieving flame retardancy certifications. It also increases the strength and creates a structure that ensures outstanding dimout properties and acoustic performance. Next, the fabric goes through the cropping process which shears loose fibres from the fabric's face.

Wool gives superior performance over man-made fibres and, as wool is a naturally occurring fibre, it brings so many amazing benefits:

Eco Friendly

When it's 'out with the old', wool is environmentally friendly. It is a natural product, entirely renewable, sustainable and is naturally 100% biodegradable.

Flame Retardant

Wool's properties make it difficult to ignite, it has a low flame spread and heat release properties; it does not melt and has superior self-extinguishing qualities.

Renewable

Each year sheep produce a fleece which makes wool a natural and renewable resource. As of yet, no one has been able to reproduce the properties of wool synthetically.

Anti-static

Wool generates very little static electricity because of the qualities of its natural fibres. Static attracts lint, dirt, and dust, so its anti-static properties keep it much cleaner for longer.

Insulating

Wool has balanced thermal insulation properties meaning it is warm in the winter and cool in the summer. It's also a natural purifier, absorbing harmful pollutants in the air.

Hypo-allergenic

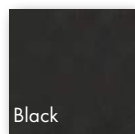
Wool is an unfavourable place for dust mites because it has microscopic pores which do not retain moisture. It is resistant to bacteria, mould and mildew that can trigger allergic reactions for many people.



Wool Serge 420



A lightweight cost-effective IFR wool serge suitable for a variety of applications.



WS100

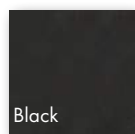
Colour Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 420 g/m ²	FR Rating: IFR	FR Certification: BS5867	Fabric Thickness: *1.35 mm	Custom Dye N/A

* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Wool Serge 565



The workhorse for on stage masking, perimeter and acoustic drapery in the entertainment and events industry.



WS090

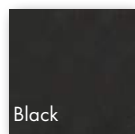
Colour Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 565 g/m ²	FR Rating: IFR	FR Certification: BS5867, NFPA 701, IMO, AS1530.2/3	Fabric Thickness: *1.90 mm	Custom Dye N/A

* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Wool Serge 650



A heavy-duty fabric with excellent acoustic properties whether flat or sewn with fullness.



WS041

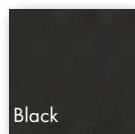
Colour Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 650 g/m ²	FR Rating: IFR	FR Certification: BS5867	Fabric Thickness: *2.00 mm	Custom Dye N/A

* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Wool Serge 800



A hard-wearing fabric perfect for creating a black box on stage or masking offstage areas and equipment.



WS022

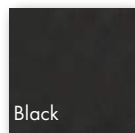
Colour Available	Approx Roll Length: 38m / 125ft	Width: 150cm / 59"	Weight: 800 g/m ²	FR Rating: IFR	FR Certification: BS5867	Fabric Thickness: *2.10 mm	Custom Dye N/A

* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Wool Serge 1000



The heavyweight of the Wool Serge world, offering the best acoustic properties whether flat or sewn with fullness.



WS055

Colour Available	Approx Roll Length: 35m / 115ft	Width: 150cm / 59"	Weight: 1000 g/m ²	FR Rating: IFR	FR Certification: BS5867	Fabric Thickness: *3.00 mm	Custom Dye N/A

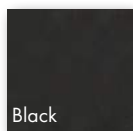
* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Wool Serge 1.8



Acoustic Recycled

A durable fabric ideal for theatrical application as well as being used for touring shows and hire drapes.



Black

WS180



Colour Available



Approx Roll Length:
57m / 187ft



Width:
180cm / 71"



Weight:
500 g/m²



FR Rating:
IFR



FR Certification:
BS5867, IMO,
AS1530.2/3



Fabric Thickness:
*1.40 mm



Custom Dye
N/A

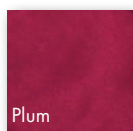
*FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Coloured Wool Serge



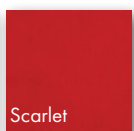
Acoustic

A popular fabric for perimeter and production drapes due to its wide range of colours and acoustic properties.



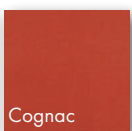
Plum

WS006



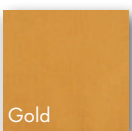
Scarlet

WS005



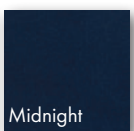
Cognac

WS011



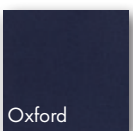
Gold

WS010



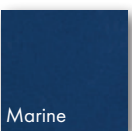
Midnight

WS009



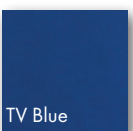
Oxford

WS008



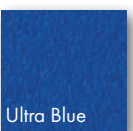
Marine

WS007



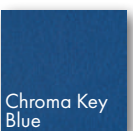
TV Blue

WS016



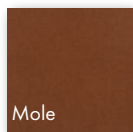
Ultra Blue

WS017



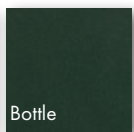
Chroma Key Blue

WS018



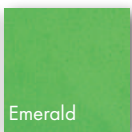
Mole

WS012



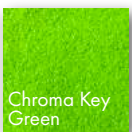
Bottle

WS015



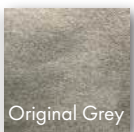
Emerald

WS014



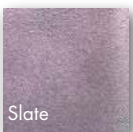
Chroma Key Green

WS019



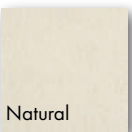
Original Grey

WS056



Slate

WS013



Natural

WS020



Colours Available



Approx Roll Length:
57m / 187ft



Width:
150cm / 59"



Weight:
500 g/m²



FR Rating:
IFR



FR Certification:
BS5867, IMO



Fabric Thickness:
*1.70 mm



Custom Dye Available*

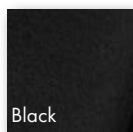
*FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions *CUSTOM DYE price on application, 4 wk lead time, MOQ 2 rolls

Tay Wool Serge



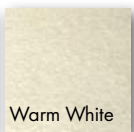
Acoustic

Our quality Serge made from virgin wool. Tay has a denser weave, from finer threads, this produces great acoustic absorbancy especially in the lower frequencies. It also drapes wonderfully with a soft luxurious handle.



Black

WS095



Warm White

WS094



Colour Available



Approx Roll Length:
25m / 82ft



Width:
150cm / 59"



Weight:
625 g/m²



FR Rating:
IFR



FR Certification:
BS5867



Fabric Thickness:
*0.70 mm



Custom Dye Available*

*FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions *CUSTOM DYE price on application, 4 wk lead time, MOQ 4 rolls

Acoustic Molton



Acoustic

A Molton that combines great masking properties with excellent acoustic absorption, also known as Calmuc.

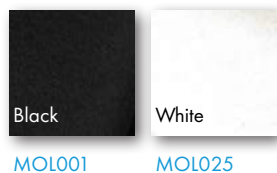


Colours Available	Approx Bale Length: 30m / 98ft	Width: 300cm / 118"	Weight: 500 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye N/A

Molton

A double-sided brushed cotton fabric popular for drapes and masking, also known as Duvetyne.

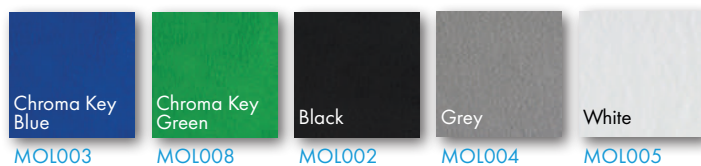
Molton 2.0



Colours Available	Approx Bale Length: 60m / 197ft	Width: 200cm / 79"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye N/A

*PLEASE NOTE also available in 500m block pallets

Molton 3.0



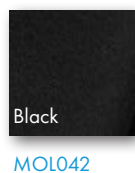
Colours Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye N/A

*PLEASE NOTE also available in 500m block pallets

Molton 4.0



Recycled



Colour Available	Approx Bale Length: 50m / 164ft	Width: 400cm / 157"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1	Custom Dye N/A

IFR Molton CS

An IFR polyester, which is only brushed on one side, widely used for rental drapes, fibre optic and LED starcloths.

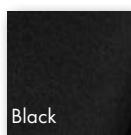


Colours Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 310 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, NFPA 701	Custom Dye N/A

*PLEASE NOTE also available in 500m block pallets

Molton Twill

A cotton Molton, which is only brushed on one side leaving a twill finish on the other side.



Black

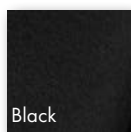
MOLO21

						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ 500m *PLEASE NOTE also available in 500m black pallets

Molton Lite

A lighter weight, more economical Molton, suitable for masking drapery such as legs and borders on a stage.



Black

MOLO28

						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 260 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye Available*

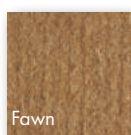
*CUSTOM DYE price on application, 4 wk lead time, MOQ 500m *PLEASE NOTE also available in 500m black pallets

Acoustic Felt



Acoustic Lining/Interlining

An inexpensive acoustic matting, not usually visible to an audience, used to dampen and absorb sound in venues.



Fawn

AF002

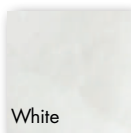
						
Colour Available	Approx Roll Length: 25m / 82ft	Width: 137cm / 54"	Weight: 880 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Wadding



Lining/Interlining

A non-woven hollow fibre ideal for use as a quilting filler, a drape interlining or on its own as a 'snow effect' fabric.



White

WAD001

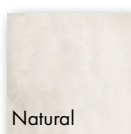
						
Colour Available	Approx Roll Length: 20m / 66ft	Width: 150cm / 59"	Weight: 205 g/m ²	FR Rating: DFR	FR Certification: BS5867, BS5852	Custom Dye N/A

Heavy Cotton Bump



Acoustic Lining/Interlining

A traditional brushed thick heavy cotton used for acoustic dampening and heat retention.



Natural

INT002

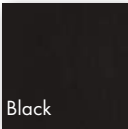
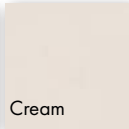
						
Colour Available	Approx Roll Length: 45m / 148ft	Width: 137cm / 54"	Weight: 410 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Sateen Lining



Lining/Interlining

An industry standard cotton calendered Sateen lining, with a subtle sheen, ideal for all styles of drapes.

								
Black	Cream	Colours Available	Approx Roll Length: 80m / 262ft	Width: 137cm / 54"	Weight: 150 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A
LIN002	LIN001							

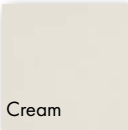
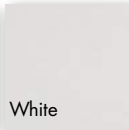
Eclipse Lining



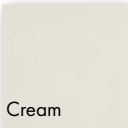
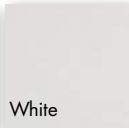
Blackout Lining/Interlining

A three pass acrylic coated, 100% blackout lining, which is best used in areas with strong sunlight.

Eclipse Lining 1.37

								
Cream	White	Colours Available	Approx Roll Length: 50m / 164ft	Width: 137cm / 54"	Weight: 300 g/m ²	FR Rating: DFR	FR Certification: BS5867	Custom Dye N/A
LIN007	LIN005							

Eclipse Lining 2.8

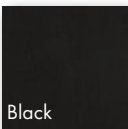
								
Cream	White	Colours Available	Approx Roll Length: 40m / 131ft	Width: 280 cm / 110 "	Weight: 300 g/m ²	FR Rating: DFR	FR Certification: BS5867	Custom Dye N/A
LIN022	LIN021							

Eclipse Lining 2.7

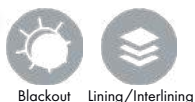


Blackout Lining/Interlining

A black-faced version three pass, acrylic coated drapery, 100% blackout lining, for use in areas of strong sunlight.

							
Black	Colour Available	Approx Roll Length: 50m / 164ft	Width: 278cm / 109"	Weight: 240 g/m ²	FR Rating: DFR	FR Certification: BS5867	Custom Dye N/A
LIN023							

Mercury



Blackout Lining/Interlining

A super dimout fabric with a light exclusion of 99.76%, available in a range of colours, its soft luxurious finish makes it suitable as either a face fabric or a lining.



25

Colours Available



Approx Roll Length:
50m / 164ft



Width:
150cm / 59"



Weight:
255 g/m²



FR Rating:
IFR

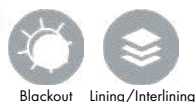


FR Certification:
BS5867, M1, B1, EN13773
Classe Uno, NFPA 701, IMO



Custom Dye
N/A

Mercury 3.0



Blackout Lining/Interlining

A wider width version of our super dimout fabric with a light exclusion of 99.76%, available in a range of colours, its soft luxurious finish makes it suitable as either a face fabric or a lining.



25

Colours Available



Approx Roll Length:
30m / 98ft



Width:
300cm / 118"



Weight:
255 g/m²



FR Rating:
IFR



FR Certification:
BS5867, M1, B1, EN13773
Classe Uno, NFPA 701, IMO



Custom Dye
N/A

Dimalan



Blackout Lining/Interlining

A fabric with colour woven to a black backing used for dimming light transmission in a variety of settings or venues.



17

Colours Available



Approx Roll Length:
50m / 164ft



Width:
150cm / 59"



Weight:
270 g/m²



FR Rating:
IFR



FR Certification:
BS5867



Custom Dye
N/A

Orion



Blackout Lining/Interlining

A 99.97% blackout fabric with colour woven on each side, making it suitable for drapes seen from both sides.



18

Colours Available



Approx Roll Length:
50m / 164ft



Width:
150cm / 59"



Weight:
240 g/m²



FR Rating:
IFR



FR Certification:
BS5867, M1,
EN13773



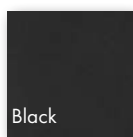
Custom Dye
N/A

Premier Blackout



Blackout Lining/Interlining

A beautifully soft 99% blackout fabric, which can be used as a stand-alone product, or as a face-fabric lining.



Black
PB001

1

Colour Available



Approx Roll Length:
50m / 164ft



Width:
150cm / 59"



Weight:
290 g/m²



FR Rating:
IFR



FR Certification:
BS5867

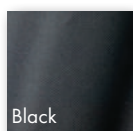


Custom Dye
N/A

Bolton Twill

A cost-effective cotton twill perfect for stage and perimeter drapes for schools, budget productions and events.

Bolton Twill 1.2

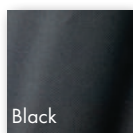


Black

BT005

						
Colour Available	Approx Roll Length: 50m / 164ft	Width: 122cm / 48"	Weight: 250 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Bolton Twill 1.5



Black

BT014

						
Colour Available	Approx Roll Length: 50m / 164ft	Width: 150cm / 59"	Weight: 250 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Acoustic Transparent

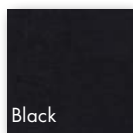


Acoustic



Air Permeable

A fabric which allows sound to penetrate whilst masking visually, making it suitable for sub bass speaker openings in a stage.



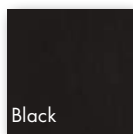
Black

ACT001

						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 260cm / 102"	Weight: 140 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

USA Commando Cloth

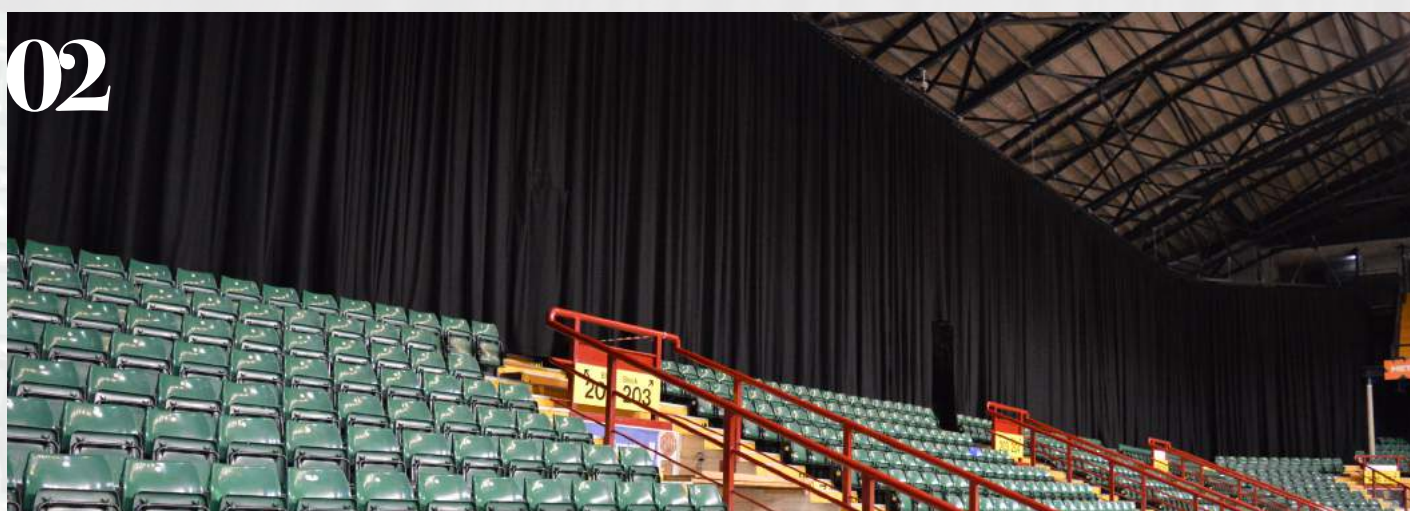
A hardwearing masking fabric, which is a film industry workhorse, used for shoot-off drapes and backdrops.



Black

COM001

						
Colour Available	Approx Roll Length: 91m / 299ft	Width: 137cm / 54"	Weight: 400 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye N/A



Showcase







Velvet

For more than 40 years, J&C Joel has been internationally renowned as a leading supplier of quality stage velvets, providing Front of House drapes, pelmets, borders and legs in every type of performance venue all over the globe.

Our velvet ranges are offered in a variety of styles, with various weights, widths, pile types, and colours. They have been tested comply with a wide variety of flame retardancy standards including British, German, French, European, American and the International Maritime Organisation, and come with both NDFR and IFR finishes. A number of our velvets have had abrasion tests to show their suitability for other uses such as upholstery, please ask a member of our team for more information.

As standard, all our velvet drapes are manufactured with the pile up, which gives the appearance of a richer, deeper colour; improving the visual impact once hung. It also means any pile disturbance clears faster as the pile relaxes, reducing the visibility of pressure marking or creases.

As experts in traditional decorative techniques such as appliqué, fringing and embroidery, we can apply these methods to our velvets to create spectacular drapes for any setting. As well as providing beautiful decoration, our velvets offer technical benefits including acoustic properties and light absorbency.

40 Cotton Velvet



NDFR

Non Durably Flame Retardant

Chemically treated with water based solution and if wetted in any way should be retreated.

Our velvets are manufactured using various types of yarn, which provide different finishes, from a flat laid pile with a matt look, to an upright pile with a fuller more luxurious appearance.

Cotton velvets also offer technical benefits, including improving acoustics by absorbing sound within a venue, as well as providing light absorbency to give the illusion of space and depth.

Our cotton range also ensures all budgets are catered for. We have velvets available in a variety of weights, from cost-effective 350g/m² lightweight fabric through to 620g/m² heavyweight velvets, to provide stunning drapery in the world's most opulent venues.

All our cotton velvets are chemically treated to ensure they are flame retardant, with the full range being non durably flame retardant (NDFR).

Our cotton velvet comes in an extensive range of core colours and we also offer a custom dyeing service to match your colour requirement.

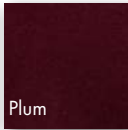
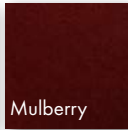
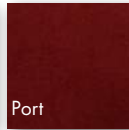
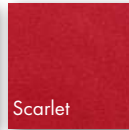
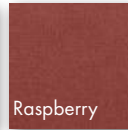
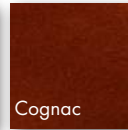
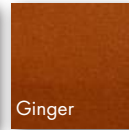
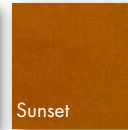
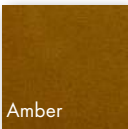
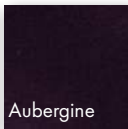
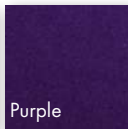
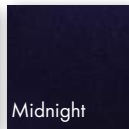
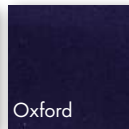
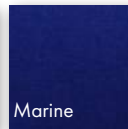
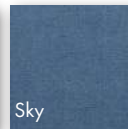
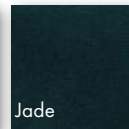
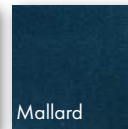
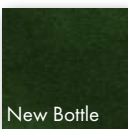
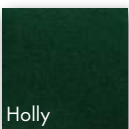
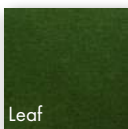
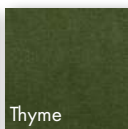
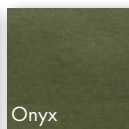
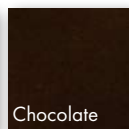
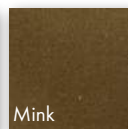
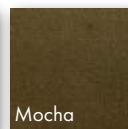
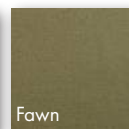
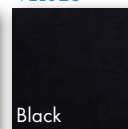
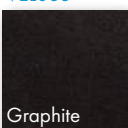
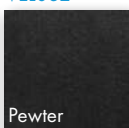
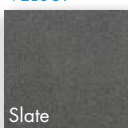
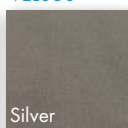
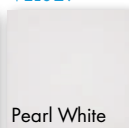




01 - London Hippodrome - Empress ([VEL168](#)) 02 - Todmorden Hippodrome - Countess ([VEL010](#))
03 - Liverpool Royal Court - Duchess ([VELH050](#))

Countess

Our most popular cotton velvet, manufactured using open-end pile yarn to create a hard-wearing fabric. DFR finish available upon request.

 Damson VEL008	 Maroon VEL007	 Plum VEL003	 Mulberry VEL006	 Port VEL002	 Scarlet VEL034	 Raspberry VEL004	 Cognac VEL022	 Ginger VEL020	 Sunset VEL253
 Amber VEL019	 Gold VEL018	 Aubergine VEL255	 Purple VEL009	 Midnight VEL012	 Oxford VEL011	 Marine VEL010	 Sky VEL027	 Jade VEL026	 Mallard VEL028
 New Bottle VEL033	 Holly VEL032	 Leaf VEL031	 Thyme VEL030	 Onyx VEL029	 Chocolate VEL023	 Mink VEL017	 Mocha VEL016	 Fawn VEL015	 Black VEL001
 Graphite VEL254	 Pewter VEL269	 Slate VEL025	 Silver VEL024	 Pearl White VEL106					

35

Colours
Available



Approx Roll Length:
55m / 180ft



Width:
122cm / 48"



Weight:
375 g/m²



FR Rating:
NDFR



FR Certification:
BS5867, M1, EN13773,
NFPA 701, IMO



Fabric Thickness:
1.35 mm



Custom Dye
Available*

* APPROX PILE HEIGHT - 2.10mm

* CUSTOM DYE price on application, 4 wk lead time, MOQ of 400m



Middlesbrough Theatre - Countess (VEL010)

Duchess



Acoustic

Similar to Countess, Duchess is manufactured using open-end pile yarn, woven into a heavier, more robust cloth.

Claret	Brick	Red	True Gold	Aubergine	Purple	Navy	Royal	Bottle	Black
VELH044	VELH045	VELH043	VELH042	VELH051	VELH046	VELH048	VELH047	VELH049	VELH040

Colours Available	Approx Roll Length: 40m / 131ft	Width: 140cm / 55"	Weight: 520 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Fabric Thickness: 1.95 mm	Custom Dye Available*

* APPROX PILE HEIGHT - 2.50mm

* CUSTOM DYE price on application, 4 wk lead time, MOQ of 400m



Elizabeth Sneddon Theatre, South Africa - Duchess (VELH004)



Sunderland Empire Theatre - Duchess (Custom Dye)

Tsarina



Blackout

A beautiful fabric manufactured with a compact, upright pile to create a lavish matt velvet with a heavy opaque backing.

Rosewood	Crimson	Ruby	Blush	Vermillion	Mustard	Tawny	Byzantium	Indigo	Cobalt
VEL850/1 VEL860/1	VEL850/2 VEL860/2	VEL850/3 VEL860/3	VEL850/4 VEL860/4	VEL850/5 VEL860/5	VEL850/6 VEL860/6	VEL850/7 VEL860/7	VEL850/8 VEL860/8	VEL850/9 VEL860/9	VEL850/10 VEL860/10
Cornflower	Obsidian	Sherwood	Olive	Chestnut	Umber	Black	Gunmetal	Graphite	Latte
VEL850/11 VEL860/11	VEL850/12 VEL860/12	VEL850/13 VEL860/13	VEL850/14 VEL860/14	VEL850/15 VEL860/15	VEL850/16 VEL860/16	VEL850/17 VEL860/17	VEL850/18 VEL860/18	VEL850/19 VEL860/19	VEL850/20 VEL860/20

Tsarina 450

Colours Available	Approx Roll Length: 25m / 82ft	Width: 150cm / 59"	Weight: 450 g/m²	FR Rating: NDFR	FR Certification: BS5867, EN13501-1	Fabric Thickness: 1.80 mm	Custom Dye Available*

* APPROX PILE HEIGHT - 2.01mm

* MOQ of 120 m for standard colours, *CUSTOM DYE price on application, 6 wk lead time, MOQ of 300m

Tsarina 600

Colours Available	Approx Roll Length: 25m / 82ft	Width: 150cm / 59"	Weight: 600 g/m²	FR Rating: NDFR	FR Certification: BS5867, EN13501-1	Fabric Thickness: 2.40 mm	Custom Dye Available*

* APPROX PILE HEIGHT - 2.43mm

* MOQ of 120 m for standard colours, *CUSTOM DYE price on application, 6 wk lead time, MOQ of 300m

Empress



Acoustic

Empress is our Queen velvet but with an M1 finish. It is manufactured using high-end, ring-spun yarns, which provide a vibrant and rich colour.

Wine	Angel Flame	Scarlet	Gold	Navy	Royal	Black	Natural
VEL175	VEL172	VEL174	VEL171	VEL173	VEL177	VEL178	VEL176

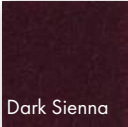
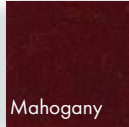
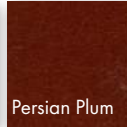
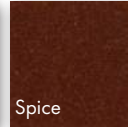
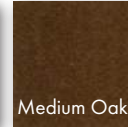
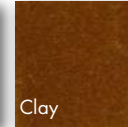
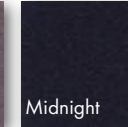
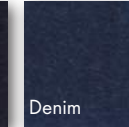
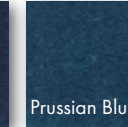
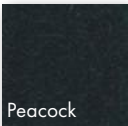
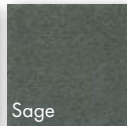
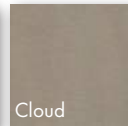
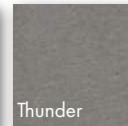
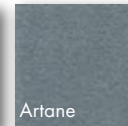
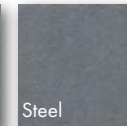
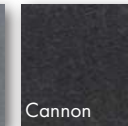
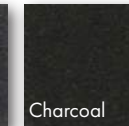
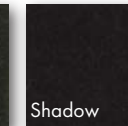
Colours Available	Approx Roll Length: 30m / 98ft	Width: 150cm / 59"	Weight: 620 g/m²	FR Rating: NDFR	FR Certification: BS5867, M1	Fabric Thickness: 2.68 mm	Custom Dye Available*

* APPROX PILE HEIGHT - 2.90mm

* CUSTOM DYE price on application, 4 wk lead time, MOQ of 240m

Mohair Velvet

Our traditional Mohair velvet is ideal for the renovation of classic playhouses and theatres, the perfect examples being those designed by seminal architect Frank Matcham. We are proud to have manufactured the Front of House drapery for London Coliseum and Blackpool's Grand Theatre using our Mohair Velvet.

									
Dark Sienna VEL870/1	Mahogany VEL870/2	Persian Plum VEL870/3	Spice VEL870/4	Medium Oak VEL870/5	Clay VEL870/6	Heather VEL870/7	Midnight VEL870/8	Denim VEL870/9	Prussian Blue VEL870/10
									
Peacock VEL870/11	Pistachio VEL870/12	Sage VEL870/13	Cloud VEL870/14	Thunder VEL870/15	Artane VEL870/16	Steel VEL870/17	Cannon VEL870/18	Charcoal VEL870/19	Shadow VEL870/20

20

Colours
AvailableApprox Roll Length:
25m / 82ftWidth:
140cm / 55"Weight:
575 g/m²FR Rating:
NDFRFR Certification:
BS5867Fabric Thickness:
3.67 mmCustom Dye
Available*

* APPROX PILE HEIGHT - 3.50mm

* CUSTOM DYE price on application, 6 wk lead time, MOQ of 360m



Blackpool Grand Theatre - Mohair Velvet (Custom Dye)

46 Synthetic Velvet



IFR

Inherently Flame Retardant

Woven from fibres with a high flame retardancy.

J&C Joel's synthetic velvet range features fabrics constructed from a number of different man-made fibres. These are all inherently flame retardant so the fabric remains FR for the duration of the life of the drape, unaffected by the environment that it is stored or installed in. This means these fabrics are perfect for the touring market and humid climates, as high temperatures and moisture can affect chemical flame retardants which these fabrics do not have. Synthetic velvets also more tensile strength and are less prone to mould and discolouration.

We have two main collections - West End and Pennine - as well as Larço, a lightweight 3m wide velour, and Othello our workhorse IFR velour which is available in a Panne finish.

The West End Collection features three different weights of budget friendly, knitted velours, which are reliable and hardwearing despite their soft handle. The Pennine Collection is composed of three premium quality velours covering a range of weights. They are manufactured from 100% Trevira CS yarns and the V weave creates a dense, luxurious pile.





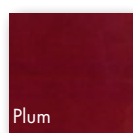
The West End Collection

A knitted, synthetic based velvet collection that imitates traditional velvets. Developed to incorporate a longer pile, the West End velvets provide a rich sheen to enhance the colour and overall appearance, without compromising the hardwearing properties.

Palladium

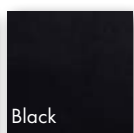


Abrasion Test



Plum

VEL910/3



Black

VEL910/1



Colours Available



Approx Roll Length:
55m / 180ft



Width:
150cm / 59"



Weight:
300 g/m²



FR Rating:
IFR



FR Certification:
BS5867, NFPA 701



Fabric Thickness:
1.13 mm



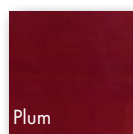
Custom Dye Available*

*MOQ of 400m

Lyric

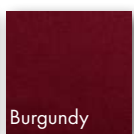


Abrasion Test



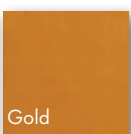
Plum

VEL920/1



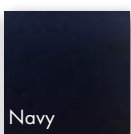
Burgundy

VEL920/12



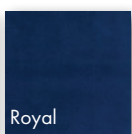
Gold

VEL920/2



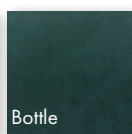
Navy

VEL920/10



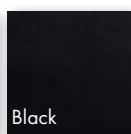
Royal

VEL920/9



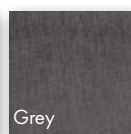
Bottle

VEL920/4



Black

VEL920/3



Grey

VEL920/5



Colours Available



Approx Roll Length:
55m / 180ft



Width:
150cm / 59"



Weight:
400 g/m²



FR Rating:
IFR



FR Certification:
BS5867, NFPA 701



Fabric Thickness:
1.36 mm



Custom Dye Available*

*MOQ of 400m

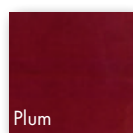
Coliseum



Acoustic

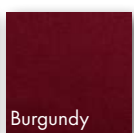


Abrasion Test



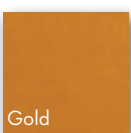
Plum

VEL930/4



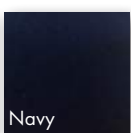
Burgundy

VEL930/2



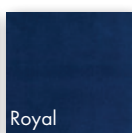
Gold

VEL930/8



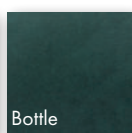
Navy

VEL930/9



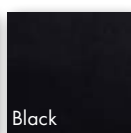
Royal

VEL930/3



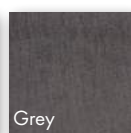
Bottle

VEL930/6



Black

VEL930/1



Grey

VEL930/5



Colours Available



Approx Roll Length:
55m / 180ft



Width:
150cm / 59"



Weight:
500 g/m²



FR Rating:
IFR



FR Certification:
BS5867, NFPA 701,
EN13773



Fabric Thickness:
1.71 mm



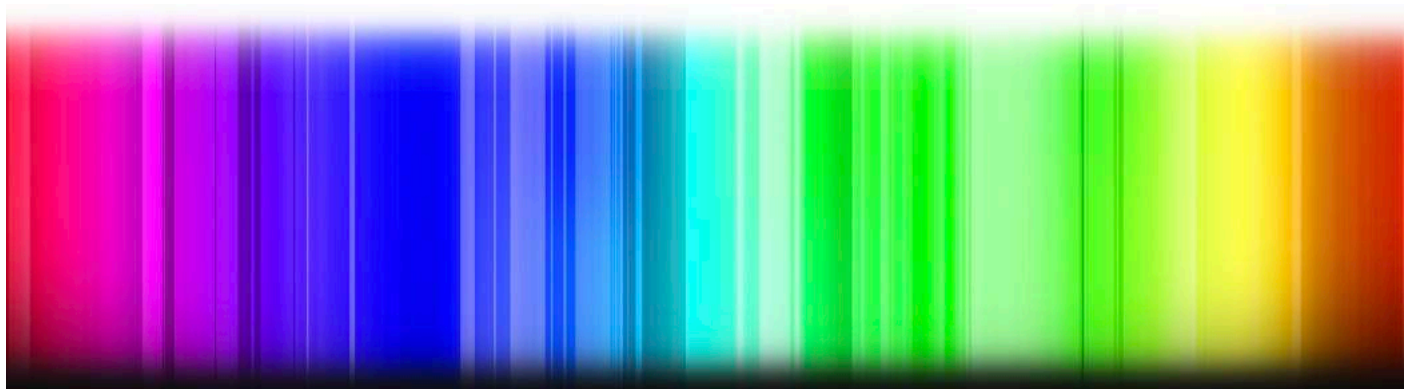
Custom Dye Available*

*MOQ of 400m



The Pennine Collection

A premium IFR Velvet collection offers the ultimate colour matching available in three weights and thicknesses.



You provide us with a Pantone or RAL reference or a physical sample of the colour

Within 2 weeks you will receive three, 3cm square samples.

Choose and approve your sample and we will commence manufacturing.*

*Typical lead times 4/6 weeks; lead time may vary on order size, current capacity and MOQ.

Rishworth



Abrasion Test



Weight:
370 g/m²



FR Certification:
BS5867, M1, B1, IMO,
NFPA 701, EN13773



Fabric Thickness:
1.64 mm

VEL450/00

*APPROX PILE HEIGHT - 1.80mm

Norland



Abrasion Test



Acoustic



Weight:
500 g/m²



FR Certification:
BS5867, M1, B1, IMO



Fabric Thickness:
2.61 mm

VEL650/00

*APPROX PILE HEIGHT - 2.80mm

Sowerby



Abrasion Test



Acoustic



Weight:
550 g/m²



FR Certification:
BS5867, M1, B1,
IMO, EN13773



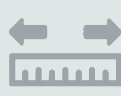
Fabric Thickness:
2.51 mm

VEL700/00

*APPROX PILE HEIGHT - 2.70mm



Approx Roll Length:
30m / 98ft



Width:
140cm / 55"



FR Rating:
IFR



Custom Dye
Available*



Mayflower Theatre - The Pennine Collection - Norland (VEL650/CUSTOM)



Caudan Arts Centre, Mauritius - The Pennine Collection - Sowerby (VEL700/CUSTOM)

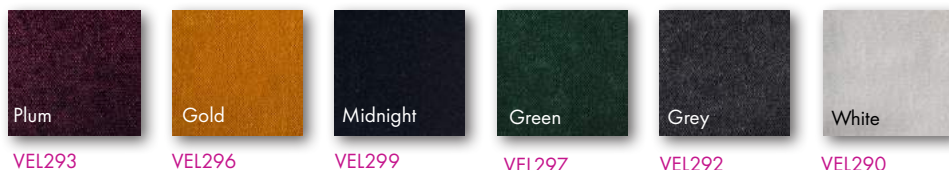


An IFR Polyester Velvet, which achieves a full depth of colour and limits light reflection. The fabric's even pile ratio means it hangs beautifully and is tough enough to be used for upholstery. We also offer a panne finish on this fabric to achieve a unique, crushed effect.

Stocked colours:



Non-stocked colours:

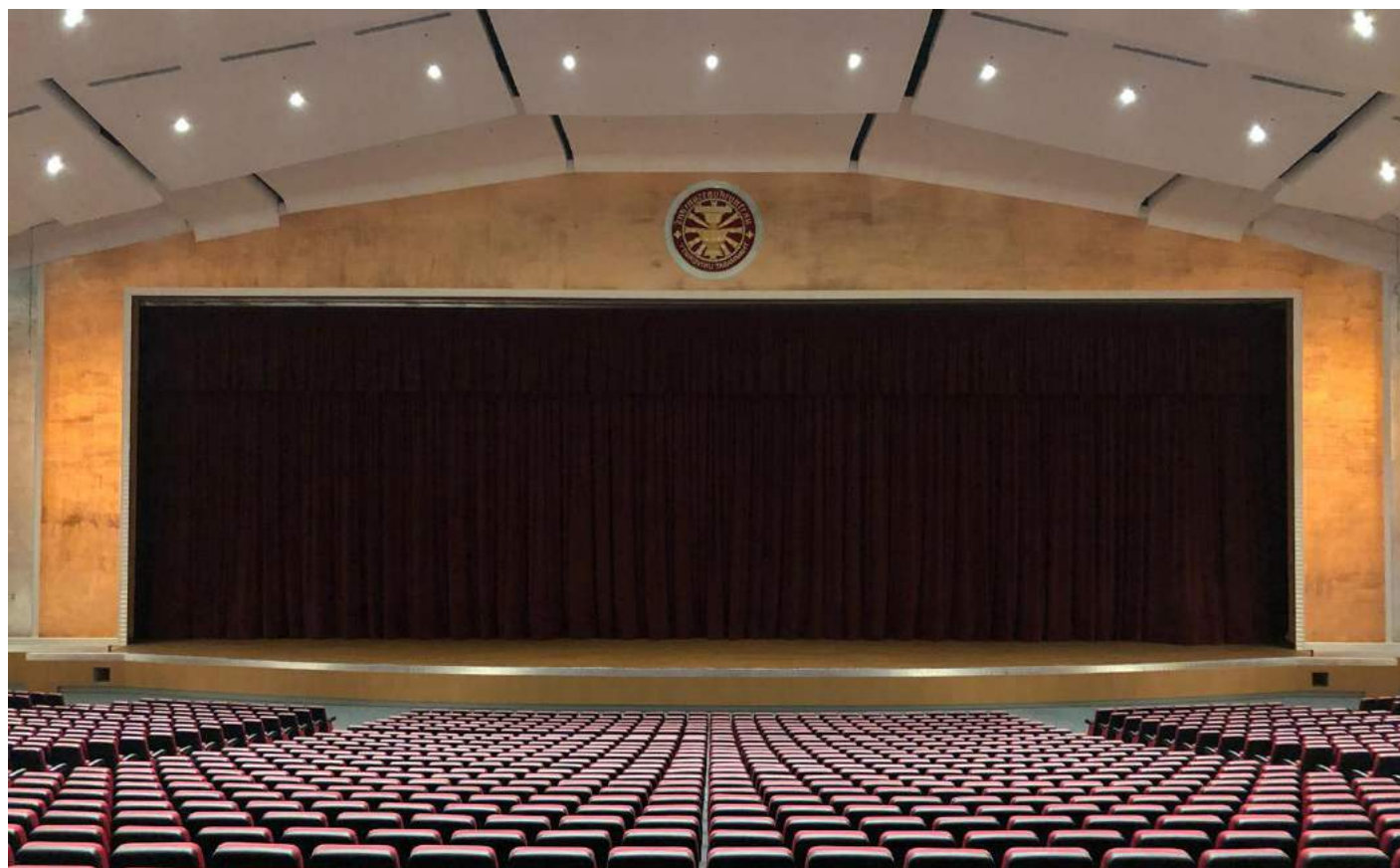


Colours Available	Approx Roll Length: 50m / 164ft	Width: 140cm / 55"	Weight: 400 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, EN ISO 6490/1	Fabric Thickness: 1.65 mm	Custom Dye Available*

* APPROX PILE HEIGHT - 2.10mm

* CUSTOM DYE price on application, 6 wk lead time, MOQ full rolls only of non-stocked items MOQ of 200m for stocked items. Also available with a panne finish MOQ 120m (shown in VEL294)

Please speak to your sales advisor to obtain current lead times. Lead times will vary depending on quantity, current capacity and MOQ.



Showcase







Decorative & Display

If you're looking to add some glitz or glamour to your event, look no further than our vast Decorative and Display range.

Consisting of a wide variety of cost-effective fabrics that can be used for a range of applications, there is sure to be something to bring your show, event, conference or space to life.

The fabrics not only offer flexibility in application but also come in a range of vibrant colour pallets, as well as wide widths, ensuring we have the right solution for any requirement.

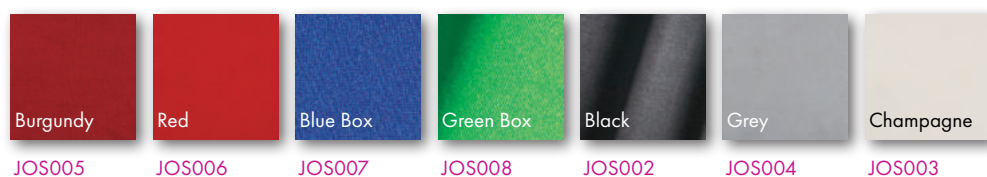
With public safety being paramount, the fabrics in our Decorative and Display range offer flame retardancy durabilities including NDFR, DFR, IFR, FR and not FR and come with worldwide certifications.

Joelastic



A wide poly-stretch fabric with a sheen finish, ideal for stretching over frames to create an endless number of impressive shapes or digitally printed backdrops.

Joelastic 2.0



Colours Available	Approx Roll Length: 50m / 164ft	Width: 200cm / 79"	Weight: 260 g/m ²	FR Rating: IFR	FR Certification: BS5867	Custom Dye N/A

Joelastic 3.0

Colour Available	Approx Roll Length: 50m / 164ft	Width: 300cm / 118"	Weight: 260 g/m ²	FR Rating: IFR	FR Certification: BS5867	Custom Dye N/A

Trevira CS Joelastic



A 2m wide Joelastic, with the benefit of being manufactured from Trevira CS.

Colour Available	Approx Roll Length: 50m / 164ft	Width: 200cm / 79"	Weight: 260 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867	Custom Dye N/A

* ADDITIONAL INFO 83% Trevira CS, 17% Elastane FR



Trevira CS Joelastic 4.5



A new and improved super wide width stretch fabric.

White	Colour Available	Approx Bale Length: 50m / 164ft	Width: 450cm / 177"	Weight: 170 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867, B1	Custom Dye N/A
JOS013							

*ADDITIONAL INFO 75% Trevira CS, 25% Elastane FR

Ripstop



A lightweight fabric also known as grid cloth, designed for use in the manufacture of large shaped structures, which also makes a fantastic projection surface.

Red	Cerise	Flo-Pink	Orange	Flo-Orange	Sunset	Mustard	Beige	Yellow	Flo-Yellow
RS011	RS019	RS009	RS005	RS021	RS032	RS023	RS002	RS007	RS022
Blackcurrant	Violet	Navy	Royal	Turquoise	Sky Blue	Emerald	Forest Green	Apple Green	Flo-Green
RS026	RS025	RS001	RS006	RS008	RS003	RS031	RS015	RS027	RS012
Gold	Black	Graphite	Green Grey	Silver	White				
RS017*	RS013	RS024	RS014	RS018*	RS016				

Colours Available	Approx Roll Length: 100m / 328ft	Width: 150cm / 59"	Weight: 62 g/m ²	FR Rating: FR	FR Certification: BS5867	Custom Dye N/A

*RS017 & RS018 come with black backing

Ripstop 3.1



A wider version of our tear and rip resistant Ripstop, which can be projected onto, producing amazing image quality.

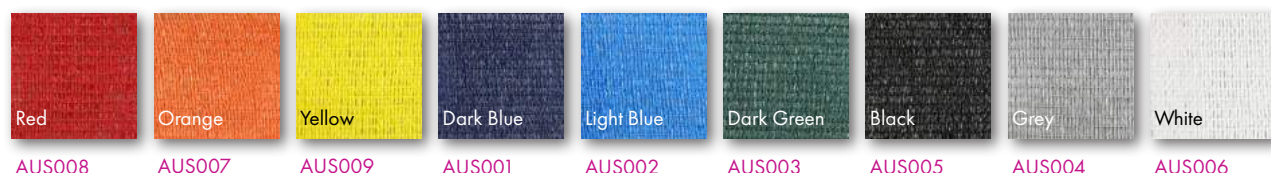
White	Colour Available	Approx Roll Length: 100m / 328ft	Width: 310cm / 122"	Weight: 65 g/m ²	FR Rating: FR	FR Certification: BS5867, M1, EN13501-1	Custom Dye N/A
RS020							

Austronet 204FR



A wind and sound permeable material which is water and tear resistant. It is used widely in the event, exhibition, sport and construction industries.

Austronet 204FR 2.0



Colours Available	Approx Roll Length: 100m / 328ft	Width: 200cm / 79"	Weight: 200 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1	Custom Dye N/A

Austronet 204FR 3.0



Colours Available	Approx Roll Length: 50m / 164ft	Width: 300cm / 118"	Weight: 200 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1	Custom Dye N/A

Austronet 204FR 4.0



Black

AUS014



White

AUS015



Colours Available



Approx Roll Length:
50m / 164ft



Width:
400cm / 157"



Weight:
200 g/m²



FR Rating:
IFR



FR Certification:
BS5867, B1



Custom Dye
N/A

Austronet 204FR 5.0



Black

AUS018



White

AUS019



Colours Available



Approx Roll Length:
50m / 164ft



Width:
500cm / 197"



Weight:
200 g/m²



FR Rating:
IFR



FR Certification:
BS5867, B1



Custom Dye
N/A

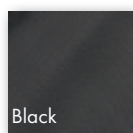
PUFC



Water Resistant

A durable shower-proof nylon fabric often used for making outdoor covers and touring drape bags.

PUFC 114



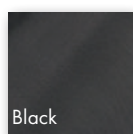
Black

PUF001

						
Colour Available	Approx Roll Length: 100m / 328ft	Width: 148cm / 58"	Weight: 114 g/m²	FR Rating: DFR	FR Certification: B55867	Custom Dye N/A

*PLEASE NOTE if stitched, seams will need to be sealed. The minimum order quantity for all colours (except black) is 1000m.

PUFC 198



Black

PUF002

						
Colour Available	Approx Roll Length: 40m / 131ft	Width: 148cm / 58"	Weight: 198 g/m²	FR Rating: DFR	FR Certification: B55867, B1	Custom Dye N/A

*PLEASE NOTE if stitched, seams will need to be sealed. The minimum order quantity for all colours (except black) is 1000m.

PVC Kiss Laminate



Water Resistant

A high gloss PVC with a great range of colours, regularly used by the conference industry to cover set pieces.

Crimson	Red	Rose	Gold	Orange	Yellow	Purple	Lilac	Navy	Royal
KLM014	KLM003	KLM024	KLM004	KLM015	KLM027	KLM023	KLM010	KLM017	KLM018
Turquoise	Pale Blue	Hyacinth	Emerald	Mint	Black	Silver	Pastel Grey	Cream	White
KLM008	KLM020	KLM019	KLM007	KLM021	KLM001	KLM009	KLM013	KLM022	KLM006

20

Colours Available



Approx Roll Length:
50m / 164ft



Width:
130cm / 51"



Weight:
240 g/m²



FR Rating:
DFR



FR Certification:
BS5867, EN13501-1



Custom Dye
N/A

*PLEASE NOTE the roll comes in two x 25m pieces facing (kissing) one another and must be peeled apart, MOQ 50m



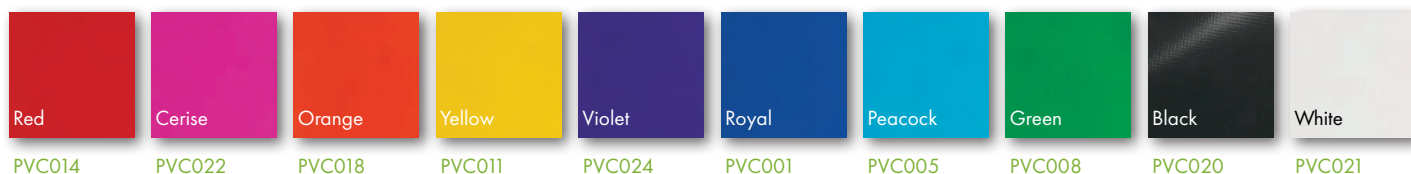
Showcase



PVC Coated Fabric



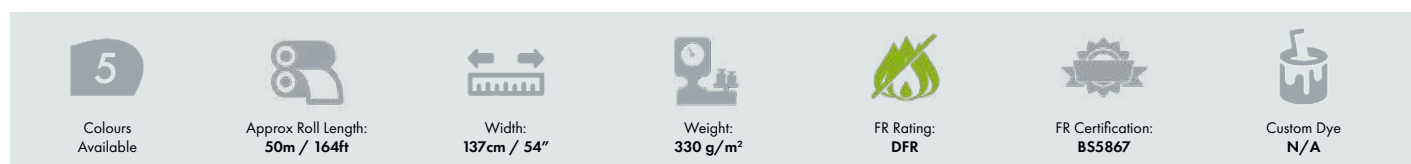
A heavyweight, durable PVC best suited for outdoor use and waterproof covers in an excellent variety of colours.



*PLEASE NOTE if stitched, seams will need to be sealed

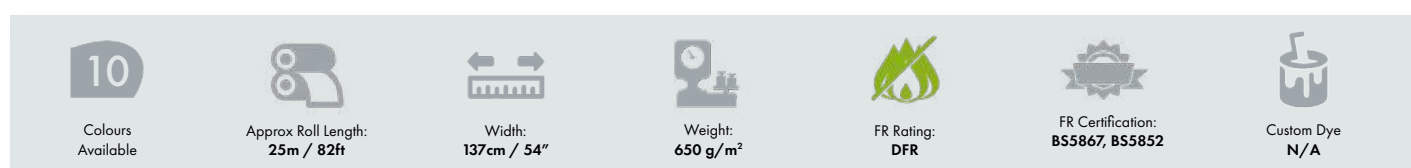
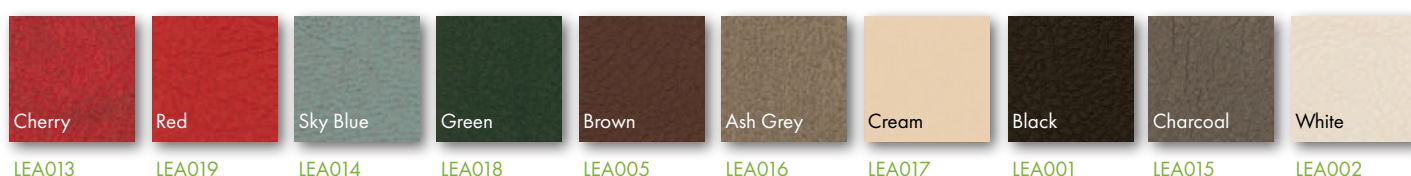
PVC Leather Grain

A cost-effective leather-look fabric, perfect for wrapping scenic flats, either as a face fabric or under wrap.



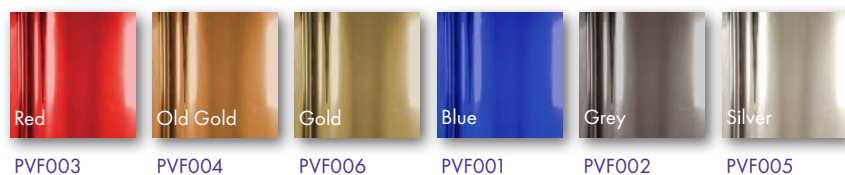
Leatherette

A hardwearing, easy-to-sew and easy-to-clean, fabric backed vinyl suitable for furniture and panel upholstery.



Mirror

A mirrored surface ideal for retail point of sale displays, event set surfaces and stage decoration.



Colours Available	Approx Roll Length: 30m / 98ft	Width: 130cm / 51"	Weight: 260 g/m ²	FR Rating: FR	FR Certification: BS5867, BS476	Custom Dye N/A

Casement



Lining/Interlining

An affordable cotton fabric with an extensive colour range, which is perfect for lining structures and short term use.

Casement 1.2



Colours Available	Approx Roll Length: 100m / 328ft	Width: 122cm / 48"	Weight: 125 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ of 1000m

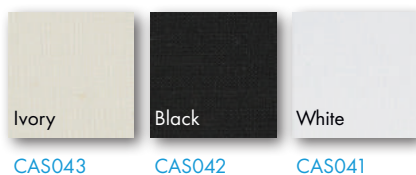
Casement 1.4



Colours Available	Approx Roll Length: 100m / 328ft	Width: 140cm / 55"	Weight: 125 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ of 1000m

Casement 1.5



*CUSTOM DYE price on application, 4 wk lead time, MOQ of 1000m

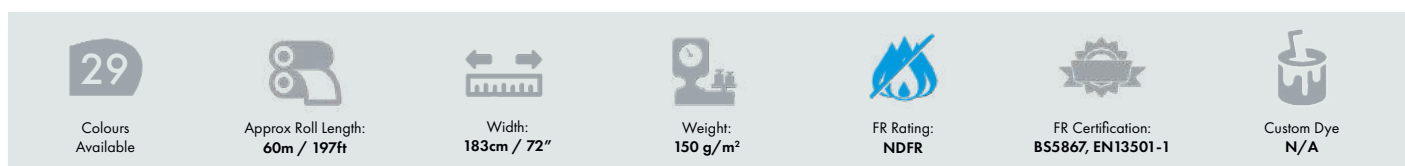
Casement 3.2



*CUSTOM DYE price on application, 4 wk lead time, MOQ of 1000m

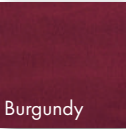
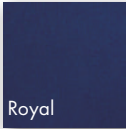
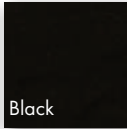
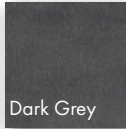
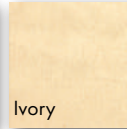
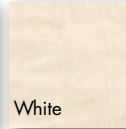
Display Felt

A vibrant fabric primarily used in the exhibition industry for dressing stands and set pieces.



Deko Molton

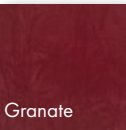
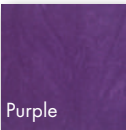
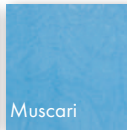
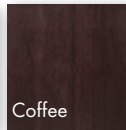
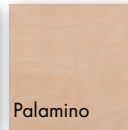
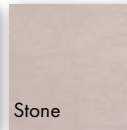
A colourful, versatile and thrifty double-sided brushed fabric.

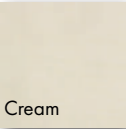
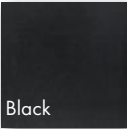
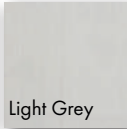
									
Burgundy	Red	Navy	Royal	Black	Dark Grey	Mid Grey	Light Grey	Ivory	White
DEK039	DEK001	DEK037	DEK035	DEK031	DEK034	DEK033	DEK032	DEK029	DEK030

						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 160 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye N/A

Crushed Suede

A luxurious suede effect fabric that is ideal for the exhibition market as well as covering set pieces and props.

									
Granate	Rouge	Purple	Marine	Royal	Muscari	Tarn Green	Coffee	Palamino	Stone
CS011	CS010	CS009	CS008	CS007	CS006	CS012	CS005	CS002	CS019

					
Cream	Black	Silver Grey	Dove Grey	Light Grey	White
CS018	CS017	CS015	CS022	CS014	CS021

						
Colours Available	Approx Roll Length: 50m / 164ft	Width: 140cm / 55"	Weight: 278 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Liquid Lamé

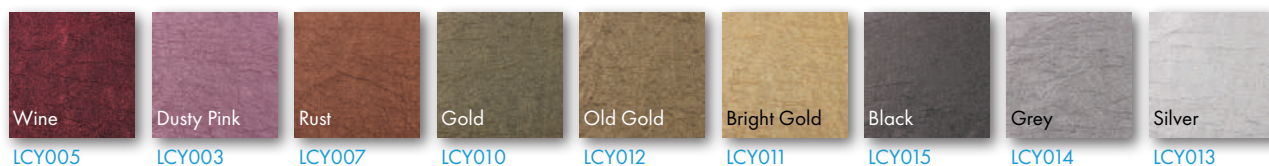
A polyester foil that reflects light brilliantly, creating a shimmering effect making it ideal for dazzling designer shows.

	
Gold	Silver
LL001	LL002

						
Colours Available	Approx Roll Length: 116m / 381ft	Width: 107cm / 42"	Weight: 125 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Lurex Crazy

Our Lurex Satin that has been crushed to give added texture and depth, creating interesting lighting effects, perfect for when something a bit special is required.



Colours Available



Approx Roll Length:
30m / 98ft



Width:
140cm / 55"



Weight:
105 g/m²



FR Rating:
NDFR



FR Certification:
BS5867,
EN13501-1



Custom Dye
N/A

Glamour



Lightweight

A bouclé style metallic fabric that provides a sparkling showstopping effect to any event.



Colours Available



Approx Roll Length:
30m / 98ft



Width:
112cm / 44"



Weight:
120 g/m²



FR Rating:
NDFR



FR Certification:
BS5867, B1



Custom Dye
N/A

Glitter Cloth

A heavyweight, durable cotton backed glitter fabric, perfect for adding a touch of glamour to displays, exhibitions and theatrical shows.



Colours Available



Approx Roll Length:
25m / 82ft



Width:
147cm / 58"



Weight:
890 g/m²



FR Rating:
Not FR



FR Certification:
N/A



Custom Dye
N/A

*PLEASE NOTE not stocked as flame retardant but can be chemically treated by using Fire Check

Showcase



66

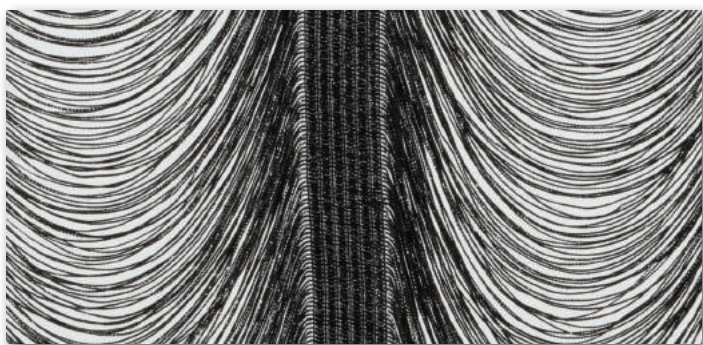
String & Slit Drapes

This collection of fabrics are often used to add a touch of glitz and glamour to events and shows. Though these products are available in standard sizes, they can be manufactured to your specific requirements.

Due to the endless design possibilities surrounding our Reefer String, Trevira CS String and Slit drapes we would always advise speaking with our team to explore your options.

Reefer String Drape

A lurex thread running through a polyester string, manufactured to appear as an Austrian drape, brilliant for backdrops.



Black/Silver
RST021



White/Silver
RST001



Colours
Available*



Approx Roll Length:
26m / 85ft



Width:
260cm / 102"



Weight:
260 g/m²



FR Rating:
NDFR



FR Certification:
BS5867



Custom Dye
N/A

*PLEASE NOTE other colours available on request



Trevira CS String Drape



A polyester string drape, commonly used for decoration and room dividers in event venues.



Colours Available*	Approx Roll Length: Varies	Width: From 1m wide*	Weight: Varies	FR Rating: IFR Trevira CS*	FR Certification: BS5867, B1, EN13501-1	Custom Dye N/A

*PLEASE NOTE other colours available on request. **ADDITIONAL INFO** 100% Trevira CS



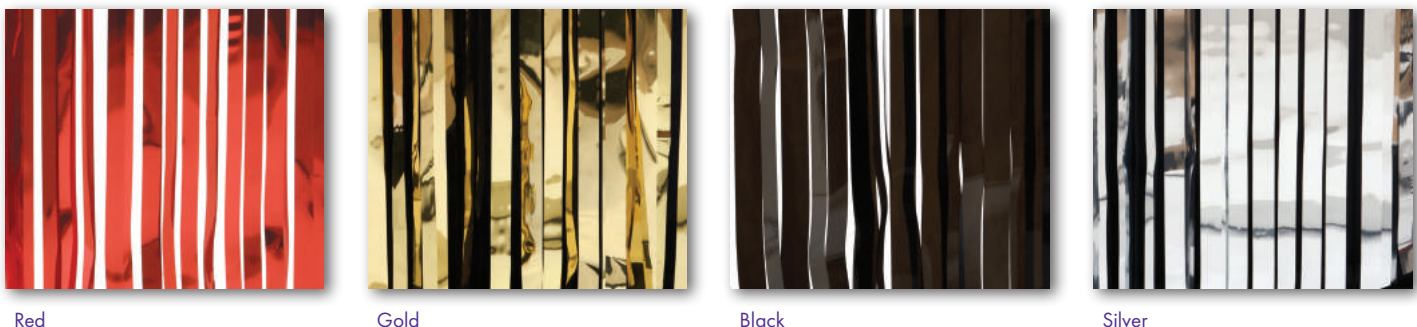
Liquid Nightclub, Halifax - String Drape (White)



Miss Saigon Tour - Slit Drapes (Silver)

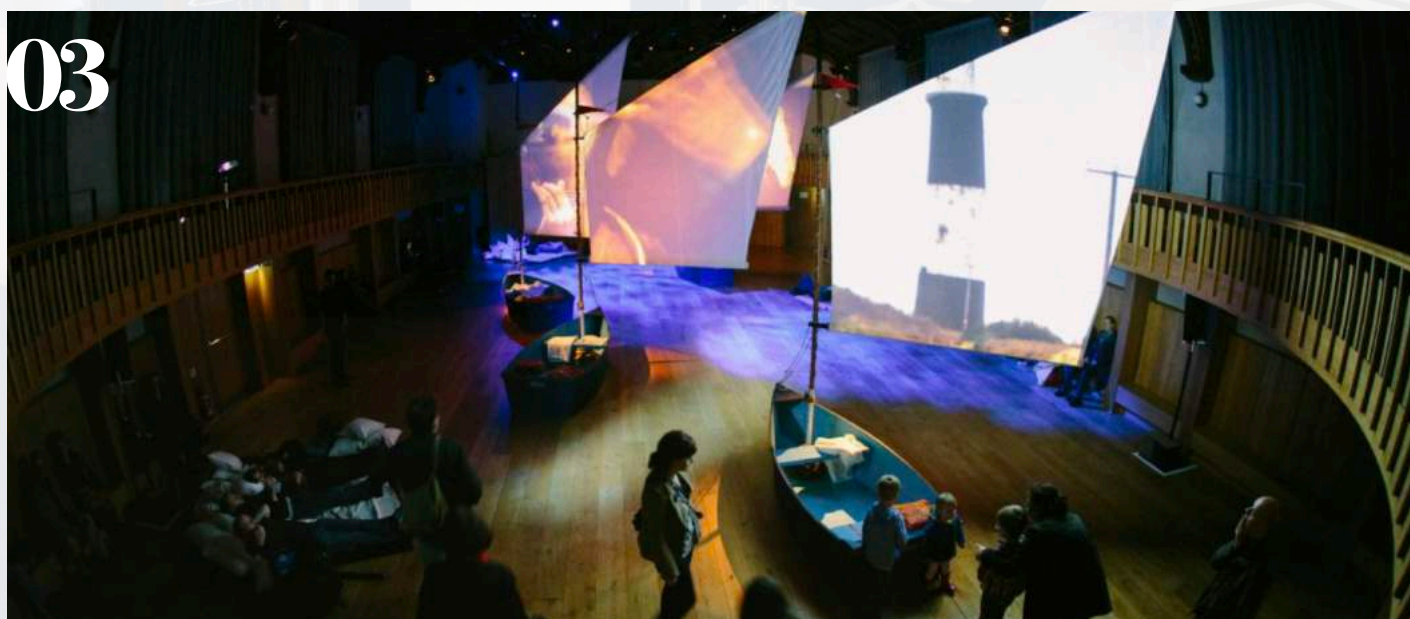
Slit Drapes

A PVC slit drape, available in a variety of strip widths from 1/4" up to 2", perfect for adding a touch of razzle-dazzle.



Colours Available*	Approx Roll Length: Varies	Width: 91cm / 36"	Weight: Varies	FR Rating: FR	FR Certification: BS5867, M1	Custom Dye N/A

*PLEASE NOTE other colours available on request. Strips come in 1/4", 1/2", 1" & 2", please specify your preference when ordering



Showcase







Sheers, Silks & Satins

Our Sheers, Silks and Satins are sure to be a talking point at any event due to their luxurious and glamorous appearance.

The lightweight, yet durable nature of these affordable fabrics means they are perfect for creating eye-catching drapery and special effects for shows and events.

Sheers, Silks and Satins are available in a wide variety of colours, widths, weights, transparencies and textures. Their limitless application means they can be used as projection surfaces, for light diffusion and event decoration, providing stunning effects and breath-taking venue dressing.

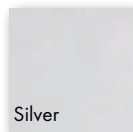
With public safety being paramount, the fabrics in our sheers, silks and satin range offer flame retardancy durabilities including NDFR, IFR and FR and come with worldwide certifications.

Voile 34



Lightweight Projection

A sheer translucent fabric, used to make lustrous flowing drapes, swags and ceiling linings.

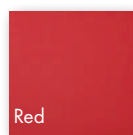
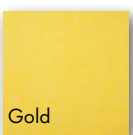
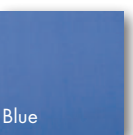
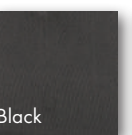
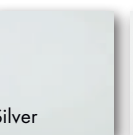
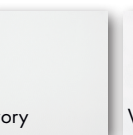
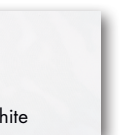
							
Silver VOI002	Colour Available	Approx Roll Length: 50m / 164ft	Width: 300cm / 118"	Weight: 34 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye N/A

Voile 45



Lightweight Projection

A super lightweight voile with vibrant colours and a beautiful shimmer that will make any show come alive.

						
Red SHV001	Gold SHV005	Blue SHV002	Black SHV008	Silver SHV007	Ivory SHV004	White SHV003

						
Colours Available	Approx Roll Length: 30m / 98ft	Width: 308cm / 122"	Weight: 45 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1, EN13501-1	Custom Dye N/A

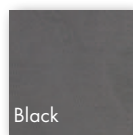
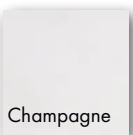
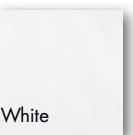
Voile 50



Lightweight Projection

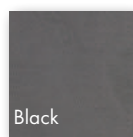
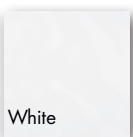
A 50g/m² voile, used to make lustrous flowing drapes that can be lit to create a stunning effect. Available in a variety of colours, widths and finishes.

Voile 3.0

		
Black VOI011	Champagne VOI012	White VOI010

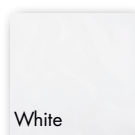
						
Colours Available	Approx Roll Length: 60m / 197ft	Width: 300cm / 118"	Weight: 50 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1, EN13501-1, EN13773	Custom Dye N/A

Voile 4.2

	
Black VOI014	White VOI013

						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 420cm / 165"	Weight: 50 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye N/A

Voile 5.2



White

VOI018

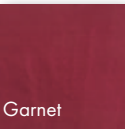
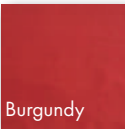
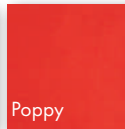
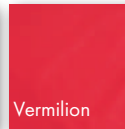
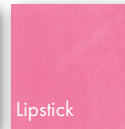
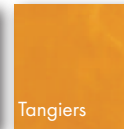
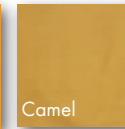
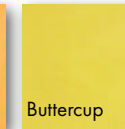
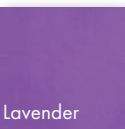
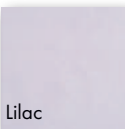
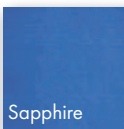
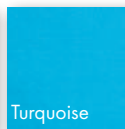
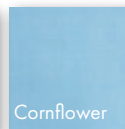
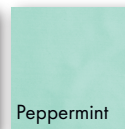
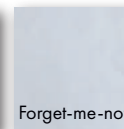
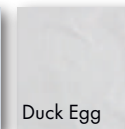
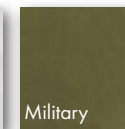
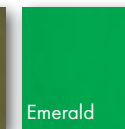
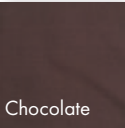
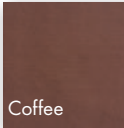
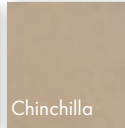
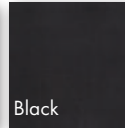
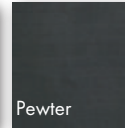
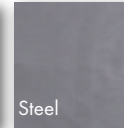
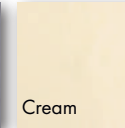
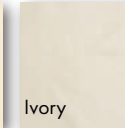
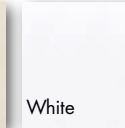
						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 520cm / 205"	Weight: 50 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1	Custom Dye N/A

Habotai Silk



Lightweight

A lightweight, natural silk available in striking colours, which hangs beautifully and can be used for kabuki drapes.

									
JS018	JS017	JS016	JS019	JS020	JS014	JS009	JS010	JS008	JS011
									
JS045	JS044	JS041	JS039	JS038	JS026	JS037	JS036	JS029	JS031
									
JS048	JS024	JS023	JS022	JS047	JS034	JS033	JS003	JS002	JS001

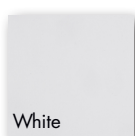
						
Colours Available	Approx Roll Length: 46m / 151ft	Width: 140cm / 55"	Weight: 36 g/m ²	Fire Rating: NDFR	Fire Certification: BS5867	Custom Dye N/A

1/4 Stop Silk



Lightweight

A sheer white polyester fabric, perfect for very soft light diffusion where no ambient bounce is required.



White

QPS001

						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 420cm / 165"	Weight: 50 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye N/A

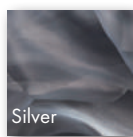
Laser Gauze



Lightweight

Projection

A delicate fabric, popular with lighting designers, used to create dazzling visual effects to wow an audience.



Silver

LG001

1						
Colour Available	Approx Roll Length: 50m / 164ft	Width: 330cm / 130"	Weight: 22 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1, IMO, EN13773	Custom Dye N/A

Trevira CS Silk

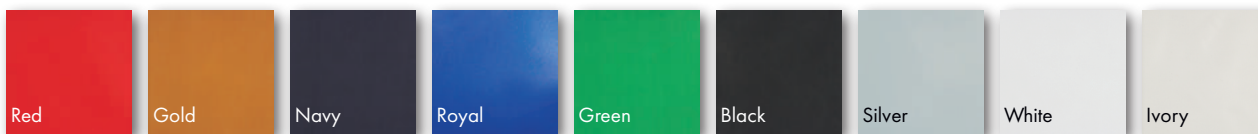


Lightweight

Projection



A strong polyester Trevira CS fabric, which is J&C Joel's first choice for kabuki drapes and drape retraction.



Red

Gold

Navy

Royal

Green

Black

Silver

White

Ivory

PT013

PT005

PT020

PT019

PT010

PT021

PT015

PT001

PT002

9						
Colours Available	Approx Roll Length: 100m / 328ft	Width: 155cm / 61"	Weight: 68 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867, M1, B1, EN13773	Custom Dye N/A

*ADDITIONAL INFO 100% Trevira CS

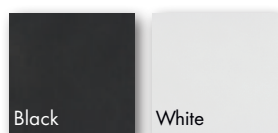
Poly Silk



Lightweight

Projection

A lightweight wide width polyester fabric, which can be used for kabuki drapes and drape retraction.



Black

White

PT037

PT035

2						
Colours Available	Approx Roll Length: 60m / 197ft	Width: 300cm / 118"	Weight: 80 g/m ²	FR Rating: IFR	FR Certification: BS5867, EN13501-1	Custom Dye N/A

*WIDTH also available 520cm wide (White PT080)



The Wyld, Friedrichstadt-Palast - Laser Gauze (LG001)

Regal Satin (Double Sided)

An elegant double sided IFR satin, with a metallic sheen, perfect for appliqué on velvet drapes.



27

Colours
AvailableApprox Roll Length:
60m / 197ftWidth:
150cm / 59"Weight:
245 g/m²FR Rating:
IFRFR Certification:
BS5867, M1, B1,
NFPA 701, IMOCustom Dye
Available*

*CUSTOM DYE price on application, 10 wk lead time, MOQ of 500m

Polyester Trevira CS Satin



Projection



A polyester Trevira CS satin, which hangs beautifully making it ideal for swags and Austrian style drapes.



*ADDITIONAL INFO 100% Trevira CS. CUSTOM DYE price on application, 4 wk lead time, MOQ of 2000m

Diamond Satin



Lightweight



Projection

A lightweight 300cm wide satin, with a choice of 8 excellent colours.



8

Colours
AvailableApprox Roll Length:
30m / 98ftWidth:
300cm / 118"Weight:
80 g/m²FR Rating:
FRFR Certification:
BS5867, B1Custom Dye
N/A



Showcase







Muslin, Canvas & Scenic

We have a variety of Muslin, Canvas and Scenic fabrics that are perfect for use as backdrops, projection surfaces and lighting effects.

Due to the impressive widths of our Muslins and Canvases, seamless cloths can be created with ease by rotating the material and using the width of the fabric as the finished drop. The hard-wearing properties of these fabrics also mean they are perfect for touring.

These fabrics can also be painted using professional theatrical paints such as the Rosco range. Some can also be digitally printed to ensure a bespoke solution to suit any requirement. They are available in different weights as well as a range of widths.

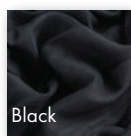
We offer our Muslin, Canvas and Scenic range with a variety of flame retardancy durabilities including NDFR, IFR, FR and not FR and also with a wide range of worldwide certifications.

Cheesecloth



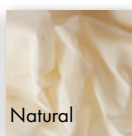
Lightweight

A light open weave cheesecloth, which is ideal for event decoration and dressing theatre sets.



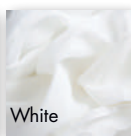
Black

MUS005



Natural

MUS003



White

MUS004



Colours Available



Approx Roll Length:
100m / 328ft



Width:
122cm / 48"



Weight:
50 g/m²



FR Rating:
NDFR



FR Certification:
BS5867



Custom Dye
N/A

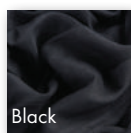
Muslin



Lightweight

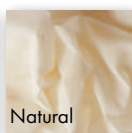
A fine woven 100% cotton fabric, available in a variety of widths, ideal for semi-transparent cycloramas.

Muslin 3.05



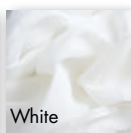
Black

MUS018



Natural

MUS010



White

MUS014



Colours Available



Approx Bale Length:
60m / 197ft



Width:
305cm / 120"



Weight:
75 g/m²



FR Rating:
NDFR

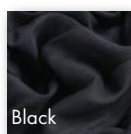


FR Certification:
BS5867, B1, EN13773,
EN13501-1



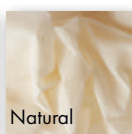
Custom Dye
N/A

Muslin 4.2



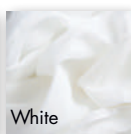
Black

MUS019



Natural

MUS011



White

MUS015



Colours Available



Approx Bale Length:
60m / 197ft



Width:
420cm / 165"



Weight:
75 g/m²



FR Rating:
NDFR

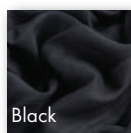


FR Certification:
BS5867, B1, EN13773,
EN13501-1



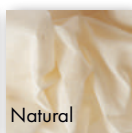
Custom Dye
N/A

Muslin 5.2



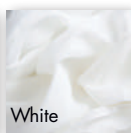
Black

MUS020



Natural

MUS012



White

MUS016



Colours Available



Approx Bale Length:
60m / 197ft



Width:
520cm / 205"



Weight:
75 g/m²



FR Rating:
NDFR

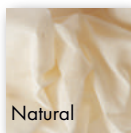


FR Certification:
BS5867, B1, EN13773,
EN13501-1



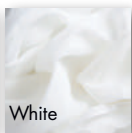
Custom Dye
N/A

Muslin 6.0



Natural

MUS006



White

MUS007



Colours Available



Approx Bale Length:
60m / 197ft



Width:
600cm / 236"



Weight:
75 g/m²



FR Rating:
NDFR

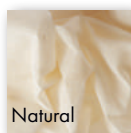


FR Certification:
BS5867, B1, EN13773,
EN13501-1



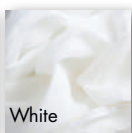
Custom Dye
N/A

Muslin 10.0



Natural

MUS008



White

MUS009



Colours Available



Approx Bale Length:
60m / 197ft



Width:
1000cm / 394"



Weight:
75 g/m²



FR Rating:
NDFR

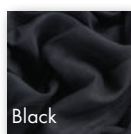


FR Certification:
BS5867, B1, EN13773,
EN13501-1



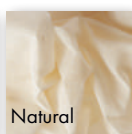
Custom Dye
N/A

Muslin 12.0



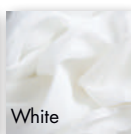
Black

MUS021



Natural

MUS013



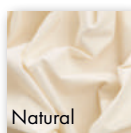
White

MUS017

Colours
AvailableApprox Bale Length:
60m / 197ftWidth:
1200cm / 472"Weight:
75 g/m²FR Rating:
NDFRFR Certification:
BS5867, M1, B1,
EN13773, EN13501-1Custom Dye
N/A

Cotton Calico

An inexpensive but high-quality fabric, ideal for pattern making, lightweight backdrops and sets.



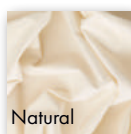
Natural

CAL002

Colour
AvailableApprox Roll Length:
50m / 164ftWidth:
183cm / 72"Weight:
190 g/m²FR Rating:
NDFRFR Certification:
BS5867Custom Dye
N/A

Cotton Calico 3.0

A wider width version of our Cotton Calico that also meets European flame retardancy standards.



Natural

CAL003

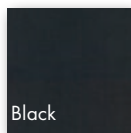
Colour
AvailableApprox Roll Length:
60m / 197ftWidth:
300cm / 118"Weight:
190 g/m²FR Rating:
NDFRFR Certification:
BS5867, B1,
EN13773Custom Dye
N/A

*PLEASE NOTE also available in 60m bale lengths

Cotton Sheeting

A lighter weight canvas, which can be painted and used as a scenic backdrop or as a projection surface.

Cotton Sheeting 1.5

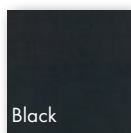


Black

SHE001

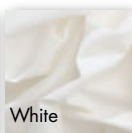
Colour
AvailableApprox Roll Length:
50m / 164ftWidth:
150cm / 59"Weight:
190 g/m²FR Rating:
NDFRFR Certification:
BS5867Custom Dye
N/A

Cotton Sheeting 1.83



Black

SHE003

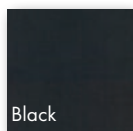


White

SHE002

Colours
AvailableApprox Roll Length:
50m / 164ftWidth:
183cm / 72"Weight:
190 g/m²FR Rating:
NDFRFR Certification:
BS5867Custom Dye
N/A

Cotton Sheeting 2.6

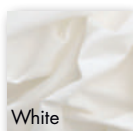


Black

SHE006

						
Colour Available	Approx Bale Length: 60m / 197ft	Width: 260cm / 102"	Weight: 190 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

Cotton Sheeting 3.0



White

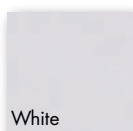
SHE010

						
Colour Available	Approx Roll Length: *60m / 197ft	Width: 300cm / 118"	Weight: 190 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

*PLEASE NOTE also available in 60m bale lengths

Polyester Sheeting

A washable and hardwearing IFR fabric, that is great for the exhibition and marquee industry.



White

PS002

						
Colour Available	Approx Roll Length: 95m / 311ft	Width: 244cm / 96"	Weight: 145 g/m ²	FR Rating: IFR	FR Certification: BS5867	Custom Dye N/A

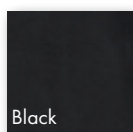
Cotton Cyclorama Canvas



Projection

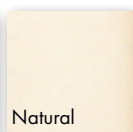
A flexible cyclorama cloth, available in a variety of widths. Also, perfect for seamless backdrops, projected images, lighting effects and painting.

Cotton Cyclorama Canvas 2.6



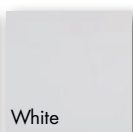
Black

CAN102



Natural

CAN103



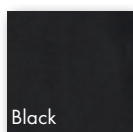
White

CAN089

						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 260cm / 102"	Weight: 220 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, NFPA 701, EN13501-1	Custom Dye Available*

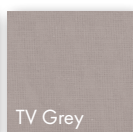
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 500m

Cotton Cyclorama Canvas 3.2



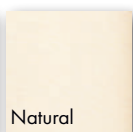
Black

CAN063



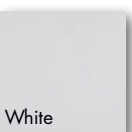
TV Grey

CAN100



Natural

CAN021



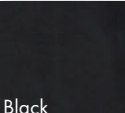
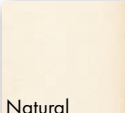
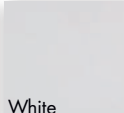
White

CAN022

						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 320cm / 126"	Weight: 220 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye Available*

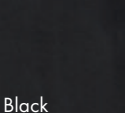
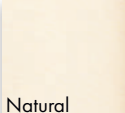
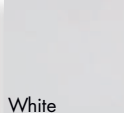
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 500m

Cotton Cyclorama Canvas 4.2

 Black CAN072	 Natural CAN071	 White CAN045	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 420cm / 165"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
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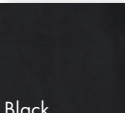
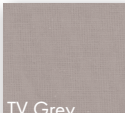
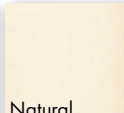
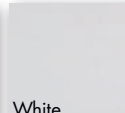
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 500m

Cotton Cyclorama Canvas 5.2

 Black CAN094	 Natural CAN095	 White CAN090	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 520cm / 205"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
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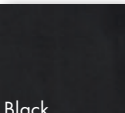
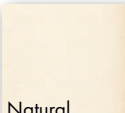
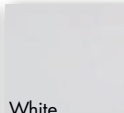
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 500m

Cotton Cyclorama Canvas 6.0

 Black CAN054	 TV Grey CAN101	 Natural CAN023	 White CAN024	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 600cm / 236"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
---	--	--	--	--	---	---	--	--	---	---

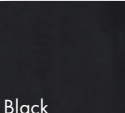
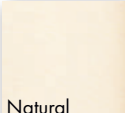
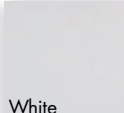
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Cotton Cyclorama Canvas 8.0

 Black CAN059	 Natural CAN057	 White CAN058	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 800cm / 315"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, NFPA 701, EN13501-1	 Custom Dye Available
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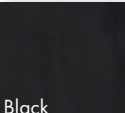
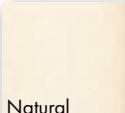
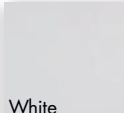
*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Cotton Cyclorama Canvas 10.0

 Black CAN073	 Natural CAN028	 White CAN029	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 1000cm / 394"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
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*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Cotton Cyclorama Canvas 12.0

 Black CAN074	 Natural CAN042	 White CAN041	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 1200cm / 472"	 Weight: 220 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
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*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Trevira CS Cyclorama Canvas



Projection



An inherently flame-retardant version of our cotton Cyclorama Canvas, making it ideal for scenic cloths and cycloramas for touring shows.

Trevira CS Cyclorama Canvas 6.0

 Blue Box PT042	 Green Box PT043	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 600cm / 236"	 Weight: 200 g/m ²	 FR Rating: IFR Trevira CS*	 FR Certification: BS5867, M1, B1, EN13501-1	 Custom Dye N/A
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* ADDITIONAL INFO 100% Trevira CS

Trevira CS Cyclorama Canvas 6.2

 White CAN043	 Colour Available	 Approx Bale Length: 60m / 197ft	 Width: 620cm / 244"	 Weight: 200 g/m ²	 FR Rating: IFR Trevira CS*	 FR Certification: BS5867, M1, B1, EN13501-1	 Custom Dye N/A
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* ADDITIONAL INFO 100% Trevira CS

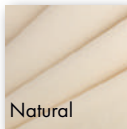
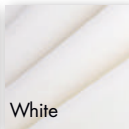
Wide Width Canvas



Projection

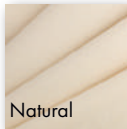
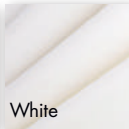
An ideal weight and weave for scenic painters, this theatrical cotton canvas sizes and paints perfectly to produce bespoke seamless backdrops.

Wide Width Canvas 4.2

 Natural CAN013	 White CAN014	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 420cm / 165"	 Weight: 300 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773, EN13501-1	 Custom Dye Available*
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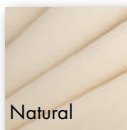
* CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Wide Width Canvas 4.4

 Natural CAN015	 White CAN016	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 440cm / 173"	 Weight: 270 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773	 Custom Dye Available*
---	--	--	---	---	--	---	--	---

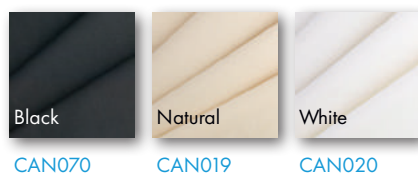
* CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Wide Width Canvas 7.2

 Natural CAN017	 White CAN018	 Colours Available	 Approx Bale Length: 60m / 197ft	 Width: 720cm / 283"	 Weight: 270 g/m ²	 FR Rating: NDFR	 FR Certification: BS5867, M1, B1, EN13773	 Custom Dye Available*
---	--	--	---	---	--	---	--	---

* CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Wide Width Canvas 10.0



3						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 1000cm / 394"	Weight: 270 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773	Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Wide Width Canvas 12.0



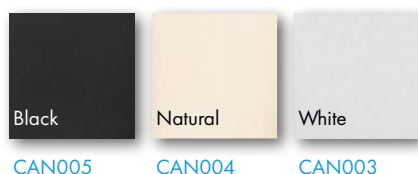
2						
Colours Available	Approx Bale Length: 60m / 197ft	Width: 1200cm / 472"	Weight: 270 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773	Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ of 60m

Scene & Artist Canvas

A durable, heavy canvas duck matting, perfect for scenic painters to create painted backdrops and scenery flats.

Scene & Artist Canvas 1.83



3						
Colours Available	Approx Roll Length: 50m / 164ft	Width: 183cm / 72"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

Scene & Artist Canvas 2.44



3						
Colours Available	Approx Roll Length: 50m / 164ft	Width: 244cm / 96"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

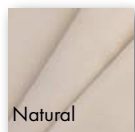
Scene & Artist Canvas 2.74



2						
Colours Available	Approx Roll Length: 50m / 164ft	Width: 274cm / 108"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1, EN13773, EN13501-1	Custom Dye N/A

Walking Canvas

A weighted, hard-wearing canvas, designed to withstand the rigours of performances, making it ideal for stage floor cloths and scenic painting.



Natural
CAN001

Colour Available	Approx Roll Length: 50m / 164ft	Width: 275cm / 108"	Weight: 320 g/m ²	FR Rating: Not FR	FR Certification: N/A	Custom Dye N/A

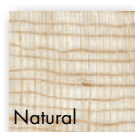
*WIDTH alternative widths are also available 325cm (Natural CAN002)

Scrim



Lightweight

A cost-effective fabric for dressing sets and covering wire frame set pieces, allowing base coat primers such as Rosco Tough Prime to be applied prior to scenic painting.

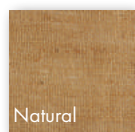


Natural
SC005

Colour Available	Approx Roll Length: 200m / 656ft	Width: 91cm / 36"	Weight: 85 g/m ²	FR Rating: Not FR	FR Certification: N/A	Custom Dye N/A

Hessian

An ideal fabric for set and prop making, which can be used to cover set pieces and add texture to props.



Natural
HES002

Colour Available	Approx Bale Length: 50m / 164ft	Width: 183cm / 72"	Weight: 325 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Brusan Scenic

A unique, hardwearing, yet flexible product, that can be easily moulded into shapes.

Single Sided Brusan Scenic



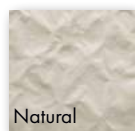
Gold
BRU013



Silver
BRU014

Colours Available	Approx Roll Length: 10m / 33ft	Width: 120cm / 47"	Weight: 300 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1	Custom Dye N/A

Double Sided Brusan Scenic



Natural
BRU005



White
BRU001

Colours Available	Approx Roll Length: 10m / 33ft	Width: 120cm / 47"	Weight: Varies*	FR Rating: NDFR	FR Certification: BS5867, M1	Custom Dye N/A

*WEIGHT Natural BRU005 weighs 520 g/m², White BRU001 weighs 540 g/m²

Morass

A tangled confusion of flame retardant rayon fibres, which give a fantastic effect whether used in theatres or events.

Morass - Fine



Black

MOR002



Ecru

MOR001

2

Colours Available

Approx Roll Length:
50m / 164ftWidth:
300cm / 118"Weight:
200 g/m²FR Rating:
FRFR Certification:
BS5867, B1,
EN13501-1Custom Dye
N/A

Morass - Large



Black

MOR004



Ecru

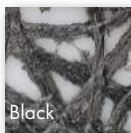
MOR003

2

Colours Available

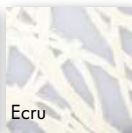
Approx Roll Length:
25m / 82ftWidth:
300cm / 118"Weight:
300 g/m²FR Rating:
FRFR Certification:
BS5867, B1,
EN13501-1Custom Dye
N/A

Morass - Super



Black

MOR006



Ecru

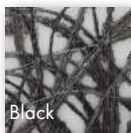
MOR005

2

Colours Available

Approx Roll Length:
20m / 66ftWidth:
300cm / 118"Weight:
300 g/m²FR Rating:
FRFR Certification:
BS5867, B1,
EN13501-1Custom Dye
N/A

Morass - O



Black

MOR008

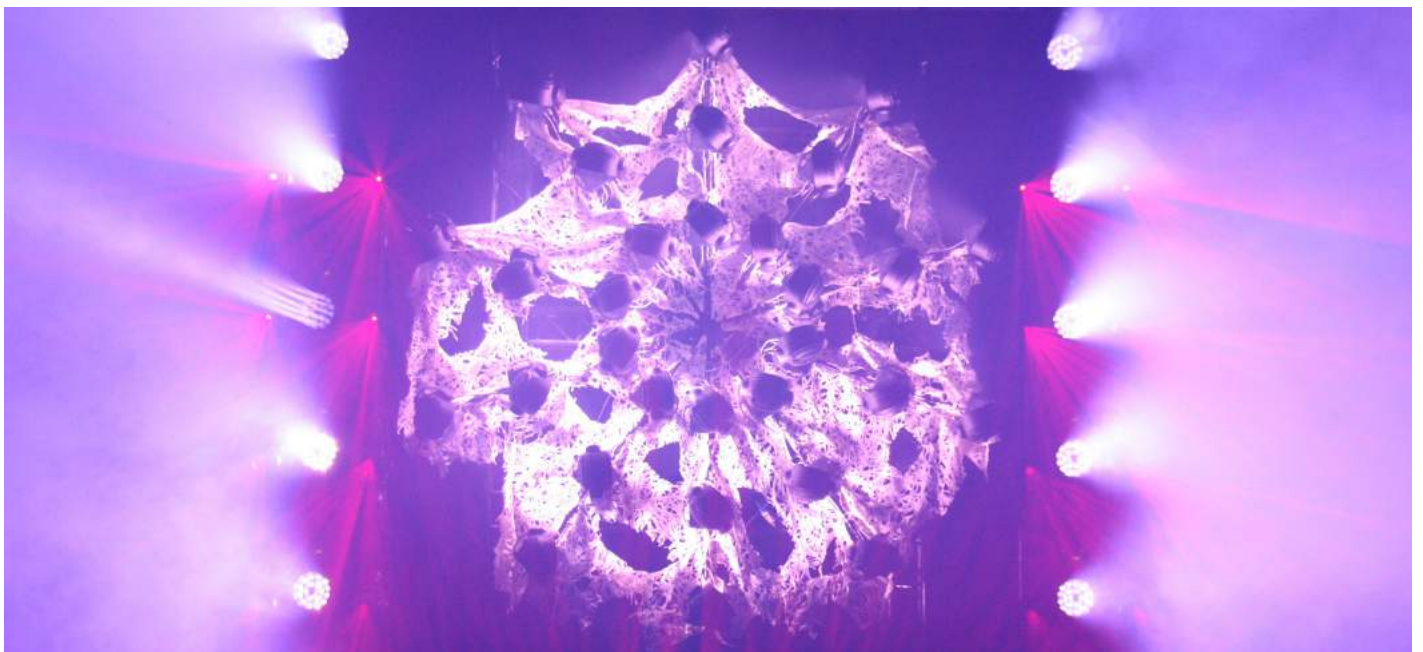


Ecru

MOR007

2

Colours Available

Approx Roll Length:
25m / 82ftWidth:
300cm / 118"Weight:
200 g/m²FR Rating:
FRFR Certification:
BS5867, B1,
EN13501-1Custom Dye
N/A

Robe Spider Launch - Morass - Super (MOR005)

88

Rosco Paints & Finishes

We offer a wide range of Rosco paints that feature a flexible binder, single-sourced pigments and an ultra-flat finish. Scenic paints are perfect for use on different surfaces, including flooring, projection screens, canvas, scenery and props. They can also be used to create special effects using ultraviolet light. For keying paints please see page 124.

Super Saturated Paint

This unique vinyl acrylic paint is designed to be diluted with water to create matt, vibrant colours. Super Saturated provides excellent adhesion to scenic surfaces, including muslin, plastics and metal, as well as projection screens and dance floors.

All colours available in 1 and 5 litres, with White and Velour Black also available in 10 litres.



5980	5987	5977	5965	5975	5984	5993	5982	5981	5988
Iron Red	Burnt Sienna	Spectrum Red	Red	Magenta	Moly Orange	Leather Lake	Yellow Ochre	Chrome Yellow	Lemon Yellow
5979	5990	5991	5969	5968	5989	5996	5997	5971	5994
Purple	Prussian Blue	Navy Blue	Ultramarine	Green Shade Blue	Turquoise	Cerulean Blue	Hunter Green	Chrome Green	Grass Green
5973	5972	5998	5986	5985	5983	6003	6002	6001	
Phthalo Green	Emerald	Van Dyke Brown	Raw Umber	Burnt Umber	Raw Sienna	Velour Black	White	Neutral	

Fluorescent Paint

These vivid colours are brilliant in normal light and glow brightly when bathed in ultraviolet light to create special effects. Fluorescent is suitable for use on most surfaces that have been properly prepared.

All colours available in 0.473, 0.946 and 3.785 litres.



5780	5786	5781	5787	5782	5784	5785	5783	5779
Red	Pink	Orange	Gold	Yellow	Blue	Invisible Blue	Green	White

Off Broadway

This vinyl acrylic paint has a palette of rich, flat theatrical colours and can be used straight out of the tin or diluted with water. Off Broadway is perfect for application on a wide variety of scenic materials including hard scenery and backdrops.

All colours in the Off Broadway range are available in 3.785 litres, with white, white white and black available in 18.95 litre.



5361 Deep Red	5376 Brilliant Red	5360 Fire Red	5369 Magenta	5363 Orange	5353 Yellow Ochre	5367 Golden Yellow	5366 Lemon Yellow	5368 Purple	5375 Navy
5359 Ultramarine	5372 Sky Blue	5373 Phthalo Blue	5374 Imperial Green	5365 Chrome Oxide	5371 Phthalo Green	5364 Emerald	5380 Van Dyke Brown	5354 Burnt Umber	5356 Burnt Sienna
5355 Raw Sienna	5358 Earth Umber	5357 Raw Umber	5352 Velour Black	5382 Paynes Grey	5350 White	5351 White White			

Metallic

The Off Broadway metallic range is available in 0.473, 0.946 and 3.785 litres.

5387 Antique Gold	5384 Gold	5383 Bright Gold	5386 Copper	5385 Silver
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Vivid FX Paint

This ultra violet special effect paint provides brilliant fluorescent, one coat coverage and opacity for designers and scenic artists. Vivid FX also offers an unparalleled combination of colour choice, UV glow and versatility.

All colours available in 0.473, 0.946 and 3.785 litres.



526256 Magenta	526275 Violet	526255 Hot Pink	526254 Scarlet Red	526252 Orange Sunset	526253 Orange	526251 Lemon Yellow	526258 Deep Blue	526259 Brilliant Blue	526260 Aquamarine
526262 Deep Green	526261 Electric Green	526250 Bright White							

Clear Acrylic Gloss & Flat Glaze

Top coats that provide a durable finish to protect painted scenery. Dilute with water and apply as an overcoat to a painted surface or mix with paints for additional binder strength. Compatible with all Rosco's scenic paints and most other water extendable paints.

Both available in 3.785 litres.

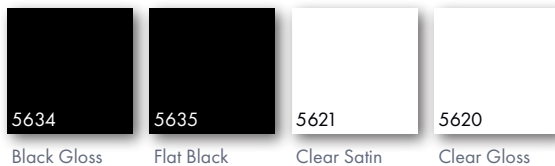
Gloss - 55801 Flat - 55811



ColorCoat

This high gloss, durable, fast drying paint can be used on most scenic surfaces, as well as metal, wood, concrete and brick. Colorcoat is also an excellent choice for floors and scenic elements that endure heavy traffic, due to its high abrasion resistance.

All colours available in 3.79 litres.



CrystalGel

A non-toxic, fast drying material, which provides a clear plastic-like coating on virtually any surface used in modern stagecraft. It can be painted with any Rosco scenic paint, carved or safely rolled without cracking or peeling.

Available in 3.785 litres - 4740017 and 18.95 litres - 4740019



Flexbond

A clear, flexible scenic glue, which bonds many porous and non-porous scenic materials. Dries to a clear, hard, yet pliable coating that does not suffer from tackiness and remains strong, even as the materials bend and deform.

Available in 3.785 - 60750017 and 18.95 litres - 60750019



FlexCoat®

A flexible, non-toxic coating for polyurethane and polystyrene foam providing excellent adhesion to a wide variety of substrates. FlexCoat® contains no plasticisers, so will not become brittle with age or exterior exposure. Compatible with all Rosco paints either as tints or surface coatings.

Available in 3.785 litres - 60712017 and 18.95 litres - 60712019



FoamCoat

A non-toxic, flame retardant water-based coating for foam, primed wood, papier mâché, muslin and polystyrene. FoamCoat provides a hard, durable finish that resists chipping and cracking and is compatible with all Rosco scenic paints.

Available in 3.785 litres - 60710017 and 13.26 litres - 60710021



Premiere Clear

A long-lasting, water-borne urethane coating suitable for sealing and protecting painted finishes, floors and high-traffic surfaces. Premiere Clear is virtually odourless and may be thinned with water. It is perfect for almost any project in stage, film, decorative and commercial arenas and is available in Gloss, Satin or Matt finish.

Available in 0.95 litres and 3.785 litres.

Gloss - 150068100 Satin - 150068200 Matt - 150068300



Tough Prime

A quick drying primer that covers just about any surface, including PVC pipe, aluminium, foams and concrete floors, as well as wood and foam core. Tough Prime dries to a tough, durable coating, excellent for both interior and exterior use.

Both colours available in 3.785 litres and 18.95 litres.

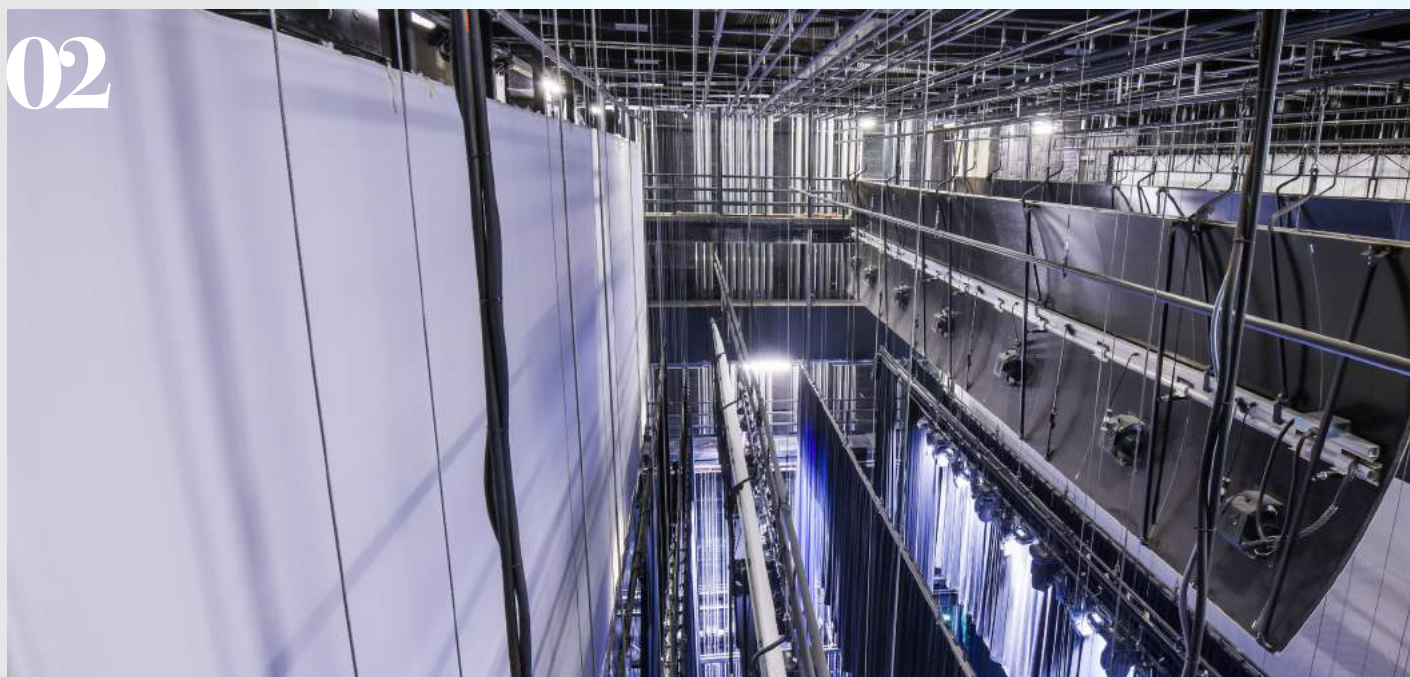
White - 6050 Black - 6055



01



02



03



Showcase







Scrim, Gauze & Netting

These speciality fabrics are fantastic for facilitating showstopping lighting effects on stage.

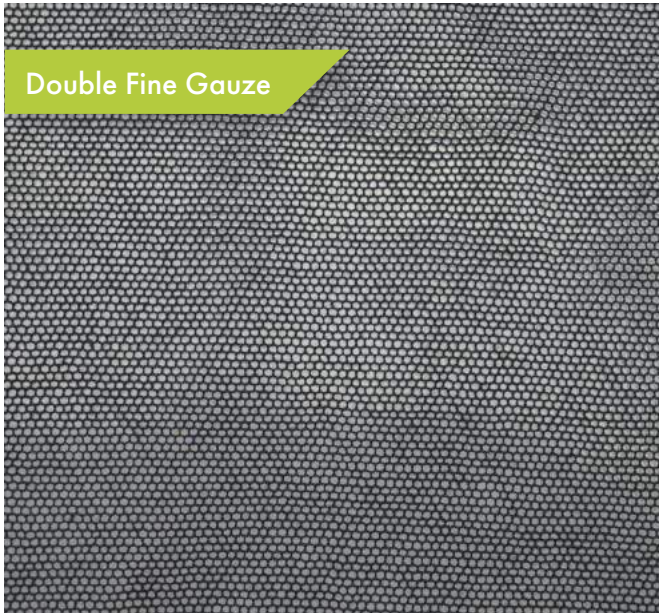
Our Scrim, Gauze and Netting is available in a variety of widths, weaves and apertures ensuring they help generate the desired effect, whether it's front lit, back lit or for reflection or diffusion.

The fabrics can be used as surfaces for projection-mapped sets and engaging visual content, as well as to stabilise cut-outs in other flame retardant fabrics. This range also includes fabrics that can be painted using scenic paints to fulfil any custom requirement.

The fabrics in our Scrim, Gauze and Netting range offer flame retardancy durabilities including NDFR and IFR and come with worldwide certifications.

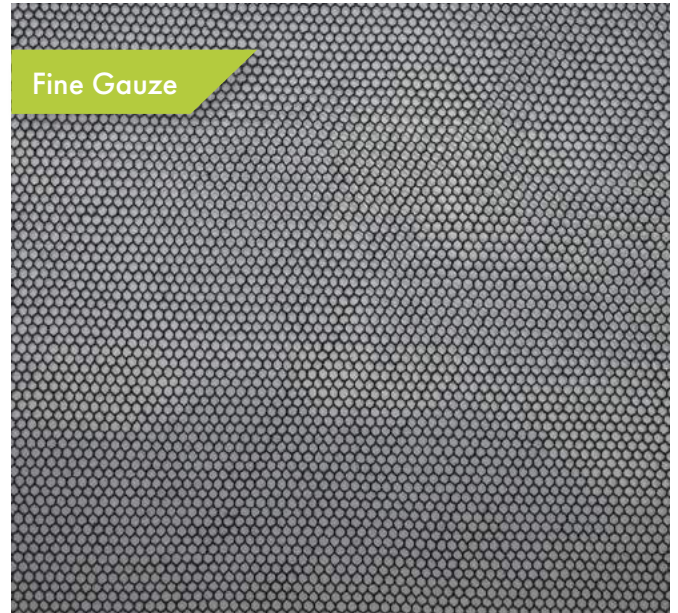
Aperture Comparison

This comparison is designed to help you select the correct fabric from our Scrim, Gauze and Netting section to suit your requirements. Each product has been photographed from a height of 27cm and is from an A4 sample to act as a true representation and comparison of the aperture and weave. Further information about each product is available on the following pages.



Double Fine Gauze

Aperture measures 0.5mm x 0.5mm



Fine Gauze

Aperture measures 1mm x 1mm



Reflective Fine Gauze

Aperture measures 1.5mm x 1.5mm

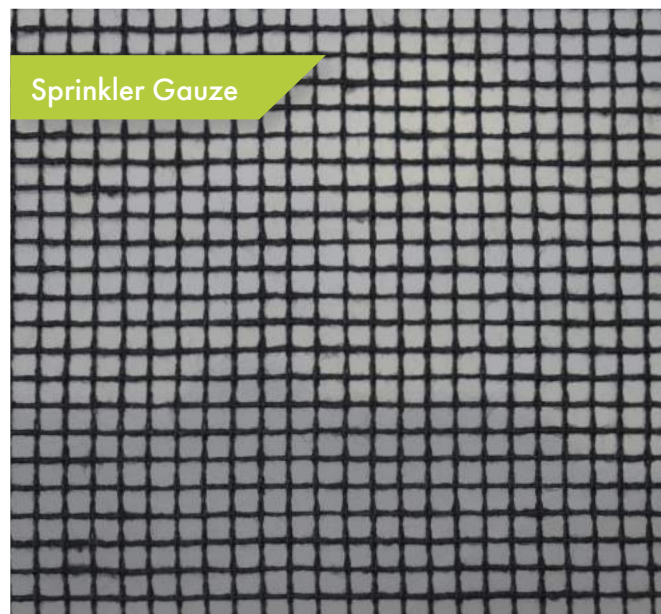


Reflective Gauze

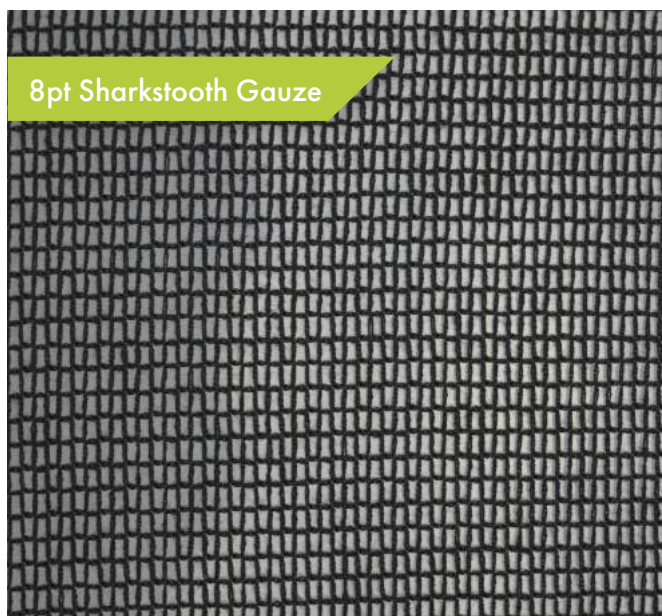
Aperture measures 2mm x 2mm



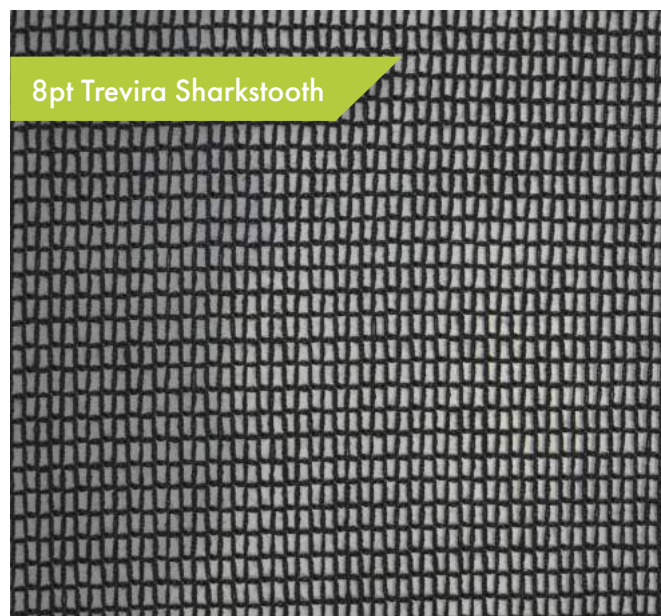
Aperture measures 3mm x 3mm



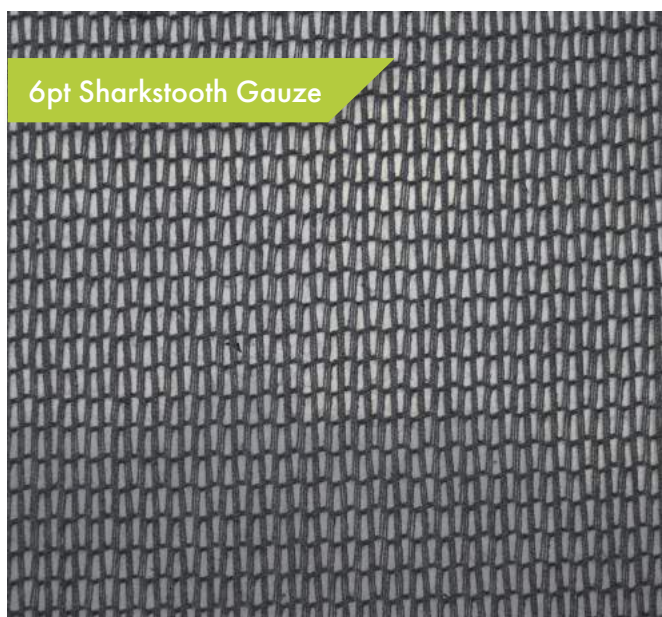
Aperture measures 3mm x 3mm



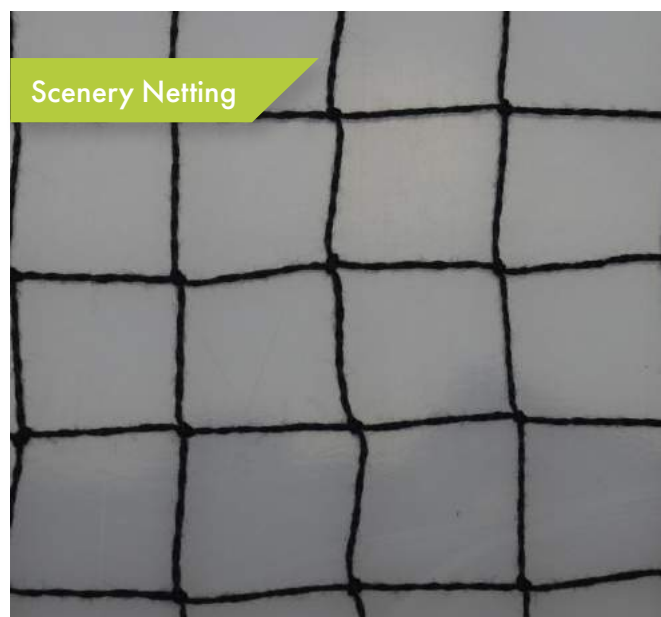
Aperture measures 1mm x 3mm



Aperture measures 1mm x 3mm



Aperture measures 1mm x 4mm



Aperture measures 25mm x 25mm

8pt Sharktooth Gauze



An industry staple 8pt cotton scrim, perfect for use as a projection surface, creating lighting effects and painted backdrops.

Sharktooth 3.6

Black

ST036

White

ST033

2

Colours Available

58m / 190ft

Approx Bale Length:

360cm / 142"

Width:

100 g/m²

Weight:

NDFR

FR Rating:

BS5867, B1, NFPA 701, AS1530.2/3

FR Certification:

Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 58m

Sharktooth 6.1

Black

ST028

White

ST026

2

Colours Available

58m / 190ft

Approx Bale Length:

610cm / 240"

Width:

100 g/m²

Weight:

NDFR

FR Rating:

BS5867, B1, NFPA 701, AS1530.2/3

FR Certification:

Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 58m

Sharktooth 9.75

Black

ST004

Western Grey

ST002

White

ST001

3

Colours Available

58m / 190ft

Approx Bale Length:

975cm / 384"

Width:

100 g/m²

Weight:

NDFR

FR Rating:

BS5867, B1, NFPA 701, AS1530.2/3

FR Certification:

Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 58m

Sharktooth 10.97

Red

ST013

Navy

ST012

Sky Blue

ST009

Natural

ST010

Black

ST011

Western Grey

ST007

Eastern Grey

ST008

White

ST006

8

Colours Available

58m / 190ft

Approx Bale Length:

1097cm / 432"

Width:

100 g/m²

Weight:

NDFR

FR Rating:

BS5867, B1, NFPA 701, AS1530.2/3

FR Certification:

Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 58m

Sharktooth 12.0

Black

ST016

White

ST014

2

Colours Available

58m / 190ft

Approx Bale Length:

1200cm / 472"

Width:

100 g/m²

Weight:

NDFR

FR Rating:

BS5867, B1, NFPA 701, AS1530.2/3

FR Certification:

Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 58m

8pt Trevira CS Sharktooth



An IFR Sharktooth, with a different texture to the cotton version, suitable for humid venues and loudspeaker stacks for outdoor concerts.



ST020

ST019

2						
Colours Available	Approx Bale Length: 58m / 190ft	Width: 1097cm / 432"	Weight: 100 g/m ²	FR Rating: IFR	FR Certification: BS5867, B1, EN13773	Custom Dye N/A

* ADDITIONAL INFO 100% Trevira CS

6pt Sharktooth Gauze



A cotton scrim with a larger aperture than the standard 8pt, widely used in Europe.



ST018

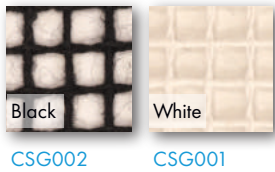
ST017

2						
Colours Available	Approx Bale Length: 58m / 190ft	Width: 1150cm / 453"	Weight: 125 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1	Custom Dye N/A

Sprinkler Gauze



A VdS approved fabric, manufactured specifically to be used as ceiling panels for exhibitions and events in buildings with sprinkler systems.



CSG002

CSG001

2						
Colours Available	Approx Bale Length: 30m / 98ft	Width: 520cm / 205"	Weight: 115 g/m ²	FR Rating: NDFR	FR Certification: BS5867, EN13501-1, VdS	Custom Dye N/A

* ROLL LENGTH also available in 60m / 197ft approx roll length

Trevira CS Sprinkler Gauze



A 100% Trevira CS and VdS approved fabric, manufactured specifically to be used with sprinkler systems, making it perfect for the ceiling of exhibition stands.



TSG001

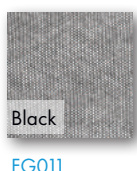
1						
Colour Available	Approx Bale Length: 50m / 164ft	Width: 500cm / 197"	Weight: 90 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867, B1, VdS	Custom Dye N/A

* ADDITIONAL INFO 100% Trevira CS

Double Fine Gauze



A fine bobbinet, that can be used to reduce F-stop and diffuse light intensity to help create visual effects.



FG011

1						
Colour Available	Approx Bale Length: 18m / 59ft	Width: 640cm / 252"	Weight: 77 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Fine Gauze



A small weave gauze, perfect for light diffusion or for use with other scrims to create depth and contrast.

Fine Gauze 3.66



2						
Colours Available	Approx Bale Length: 30m / 98ft	Width: 366cm / 144"	Weight: 40 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Fine Gauze 7.32



2						
Colours Available	Approx Bale Length: 30m / 98ft	Width: 732cm / 288"	Weight: 40 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Reflective Fine Gauze



A fine bobbinet, manufactured using light reactive metallic threads interwoven into the cotton base gauze.

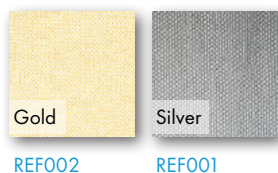


1						
Colour Available	Approx Bale Length: 43m / 141ft	Width: 870cm / 342"	Weight: 60 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Reflective Gauze



A shimmering fabric, used to diffuse light and add depth, giving a silver or gold sheen as a result.



2						
Colours Available	Approx Bale Length: 45m / 148ft	Width: 850cm / 335"	Weight: 45 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye N/A

Scenery Netting



A large 25mm by 25mm net that is used to stabilise cut outs in scenic clothes by giving body to the opening.



2						
Colours Available	Approx Bale Length: 22m / 72ft	Width: 914cm / 360"	Weight: 30 g/m ²	FR Rating: IFR	FR Certification: BS5867	Custom Dye N/A

Filled Cloth



Projection

A fabric used for seamless cloths and cycloramas that also has a light softening weave, making it a favourite with lighting designers.

Filled Cloth 3.2


White
FIL010

Colour Available	Approx Bale Length: 38m / 125ft	Width: 320cm / 126"	Weight: 245 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 38m

Filled Cloth 5.8


White
FIL006

Colour Available	Approx Bale Length: 38m / 125ft	Width: 580cm / 228"	Weight: 245 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 38m

Filled Cloth 7.1


White
FIL021

Colour Available	Approx Bale Length: 38m / 125ft	Width: 710cm / 279"	Weight: 245 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 38m

Filled Cloth 9.14


White
FIL001

Colour Available	Approx Roll Length: 38m / 125ft	Width: 914cm / 360"	Weight: 245 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 38m

Filled Cloth 11.6


White
FIL007

Colour Available	Approx Roll Length: 38m / 125ft	Width: 1160cm / 457"	Weight: 245 g/m ²	FR Rating: NDFR	FR Certification: BS5867, B1	Custom Dye Available*

*CUSTOM DYE price on application, 3 wk lead time, MOQ of 38m

Trevira CS Filled Cloth



Projection



An IFR Trevira CS fabric perfect for use as a cyclorama in humid countries.


White
FIL027

Colour Available	Approx Roll Length: 38m / 125ft	Width: 1020cm / 401"	Weight: 245 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867, B1, EN13773	Custom Dye N/A

* ADDITIONAL INFO 100% Trevira CS

102 Hologauze®

J&C Joel are proud to work in partnership with Holotronica to bring you Hologauze.

An innovative scrim offering users the ability to create large-scale hologram and visual effects. Compatible with 3D polarised projection systems and widely used to create 2D hologram effects, Hologauze is an exciting and unique product.

Compact when stored, but quick and easy to install, it is a great asset to any stage show, event or festival. Lightweight and versatile, it is also a perfect choice for retail promotions, museum installations and 3D immersive experiences. It is tested to BS5867, M1, B1 and NFPA 701 so you can tour with peace of mind.

The only limit is your imagination.

The best results are achieved with bright and high contrast imagery using a projector with a high contrast ratio, with a brightness guide of approximately 400 lumens per sqm, set up in theatre conditions (*similar to the diagram below*). To achieve invisibility there needs to be more light behind the screen, this will also create focal depth. Light spill can be lost in the flyspace or on the stage floor by angling your projector.

Hologauze can be manufactured to any shape and size to fit the spectacle you wish to achieve. Please contact our sales team today to discuss your requirements.

Hologauze

The original, Hologauze has a finer weave with double the reflective coating of its competitors, ensuring maximum transparency and screen invisibility.

Maximum unsewn size: 4.8m x 48m

Hologauze XL

A slightly larger weave offering greater durability, Hologauze XL is the go-to choice for large-scale events. Wind load and technical datasheets are available.

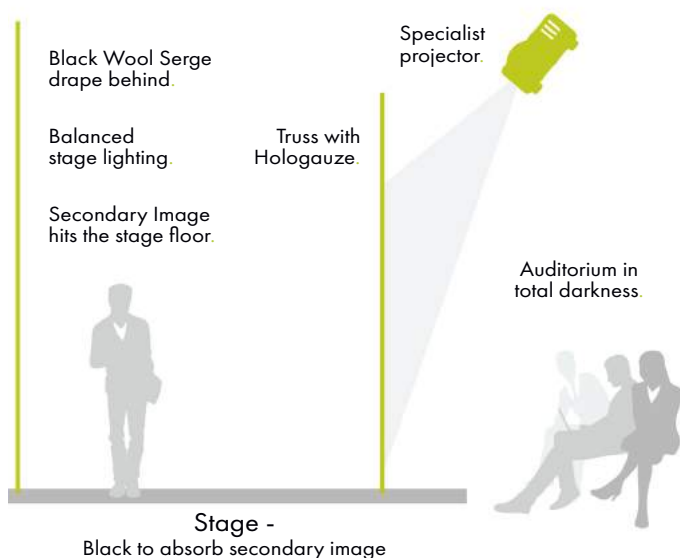
Maximum unsewn size 7m x 38m

Hologauze 50

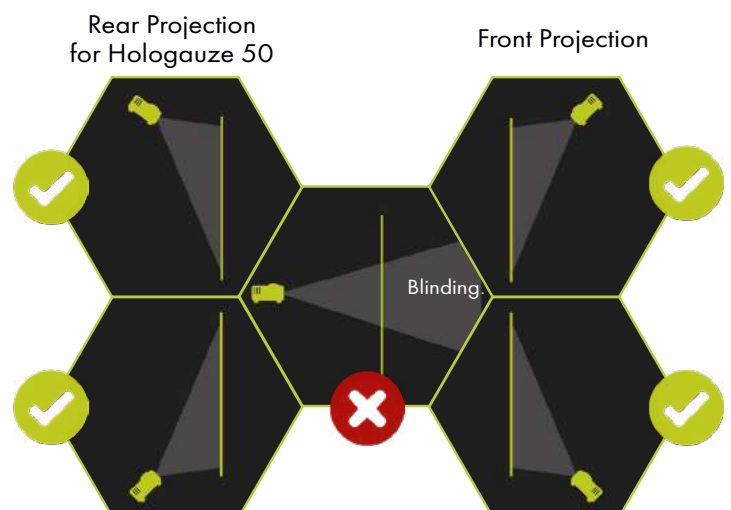
Hologauze 50 has only half the reflective coating. Whilst this lessens brightness and contrast, it is a more economical choice and allows for rear projection.

Maximum unsewn size 4.8m x 48m

Typical set up



Projection Locations





01



02



03



Showcase



دعنا نردّ على
استفساراتك بشيء
من الانتعاش
Pick up a juice
jot down your
questions





Projection Screens

Projection mapped sets and powerful video content are increasingly popular as focal points in the event and entertainment industry, used to wow audiences and focus attention.

Our specialist screens are perfect for venues such as arenas, stadiums, theatres and educational settings, as well as events including ceremonies, concerts, corporate events and touring shows.

Our screens are available off the roll or can be manufactured to custom sizes, with virtually invisible welded seams. Finished screens come with a variety of edge finishes see page 116-117.

All of our projection screens meet the British flame retardancy durability and are DFR PVC.

108

Installation & Care

Delivery & Expectations

Manufactured screens are delivered carefully, lapped and folded in a crate or palletted box, depending on size. If a full roll is purchased this will arrive wrapped on a pallet or in a crate.

When a screen is delivered it is advised the package is checked and that we are notified immediately of any possible issue.

Once you have checked the package it is recommended that you allow 24 hours for the screen to adjust to room temperature. If the screen is very cold, it is advised that you allow 48 hours for it to warm up before unpacking and installation, otherwise cold cracking may occur.

Viewing Side

We aim to label screens when they are manufactured to avoid confusion during installation. Hanging your screen correctly and following installation guides will ensure you get the best from your product.

Weld Technology

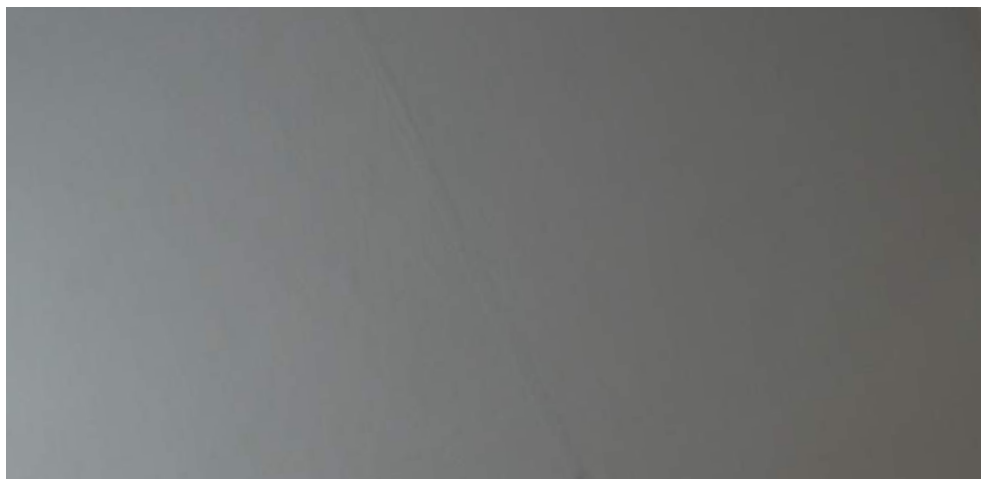
We use the latest technology to ensure seams are virtually invisible. Providing the screen is lit appropriately will ensure you get the most from your screen.



Seam from front on Translite Grey



Seam from rear on Translite Grey



Seam from distance Translite Grey

Installation

When installing a projection screen, it is imperative gloves are worn. This prevents natural oils from the skin leaving grease marks on the screen. When fitting the screen on to a frame, it is advised to do this slowly and gently, stretching it out as you go. This may have to be repeated two or three times whilst the PVC relaxes.

After Care

Screens can be stored and folded for up to one month; any longer than this is not recommended, however they can be stored for longer periods if tube packed.

Screens should normally be transported and stored at temperatures between 18-22°C (40-85 °F) with relative humidity less than 80%.

From time to time, all screens will require cleaning regardless of the environment in which they are hung in, as dust accumulation will occur. It is recommended that projection screens are cleaned every six months using a dry microfibre cloth.

Showcase

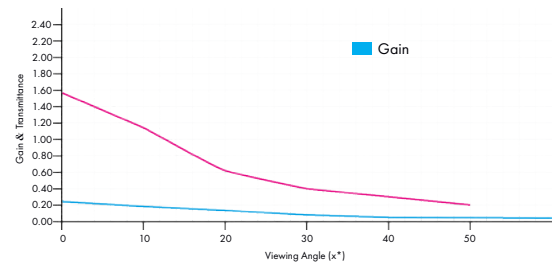


110

Gain & Transmittance

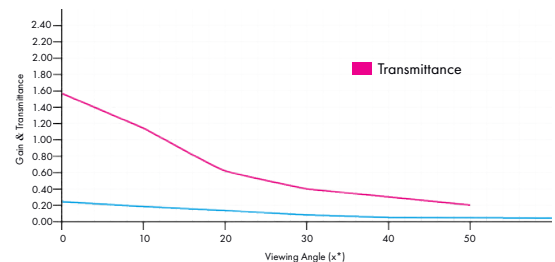
Gain

Gain is the measurement of screen reflectivity and the brightness of projected imagery on to a screen surface. The figure represents a ratio of the light back from the screen compared to that of a standard reference tile, a uniform matt white surface with a gain of 1.0.



Transmittance

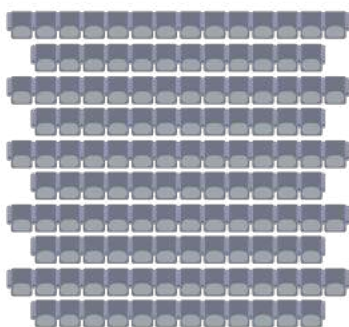
Transmittance differs from gain in that it is a measurement of light passing through a screen, and therefore only applies to rear projection surfaces. The transmittance value is the ratio of light passed through a screen compared to light reflected from a standard reference tile.



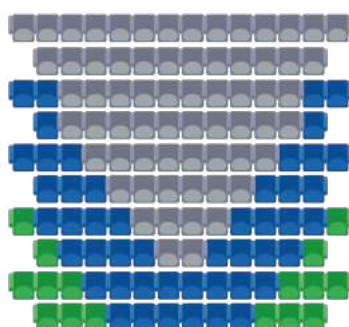
Viewing Performance

Gain and transmittance perform in similar ways; a high gain (front projection) or transmittance (rear projection) screen will ultimately produce a brighter image in the centre of the viewing area. The higher the gain or transmittance, the brighter the image will be, making it more suitable for lower power projectors and environments with higher ambient light conditions.

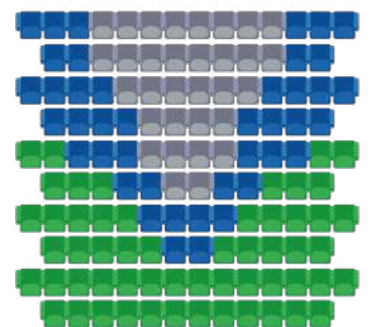
A high gain or transmittance screen will narrow the viewing angle, with an increased chance of hot spotting and lower brightness uniformity. Low gain or transmittance provides wider viewing angles and a more even light distribution, ensuring a uniform brightness across the screen, suitable for low ambient light conditions.



Unity Gain.



Mid Gain.

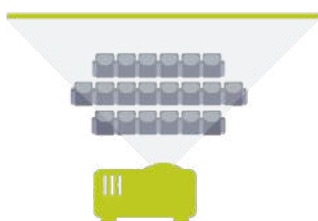


High Gain.

Screen Suitability

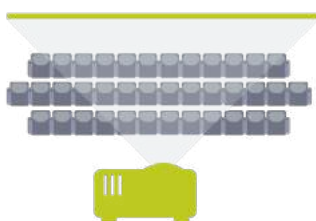
Whether you own a short throw (wide viewing angle (WVA)) or long throw, (narrow viewing angle (NVA)) projector, choosing the right screen for your set up is essential to ensuring the best results. The diagrams below provide an indication of which screen we recommend for certain circumstances, though other products can achieve similar results. For specific requirements or more information, we recommend speaking to our sales team, who will happily assist you in finding the right solution for your needs.

Front, Narrow Viewing Angle



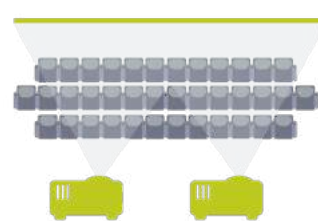
Sky Blue. Contrast Grey. 3m White.

Front, Wide Viewing Angle



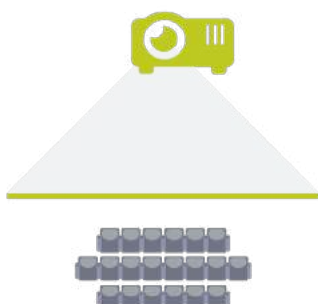
Contrast Grey. White. 3m Matt White.

Front, WVA, Edge Blending



Twin White. Sky Blue. 3m White.

Rear, NVA



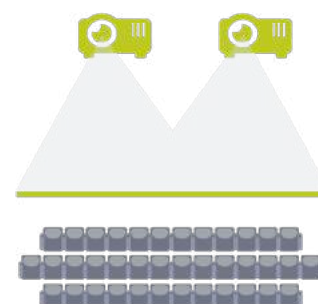
Midnight Blue. Fog.

Rear, WVA



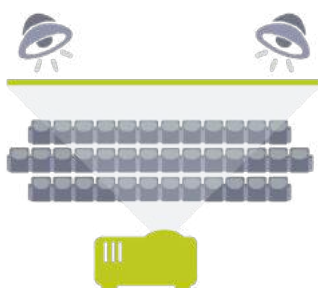
Twin White. Cream. Sky Blue.

Rear, WVA, Edge blending



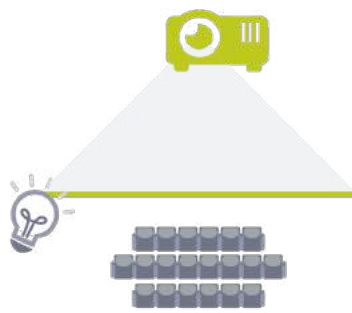
Twin White. Cream. Sky Blue.

Rear, WVA, Sound



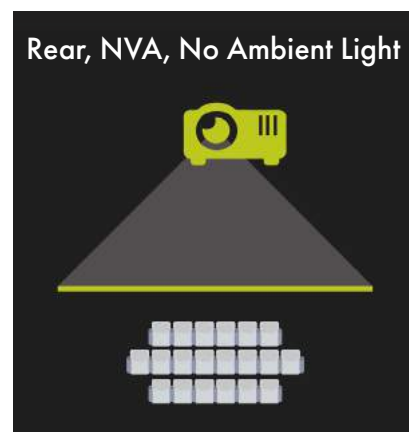
Perforated White.

Rear, NVA, Ambient Lighting



Grey. Hi-Gain Grey. 3m Grey.

Rear, NVA, No Ambient Light



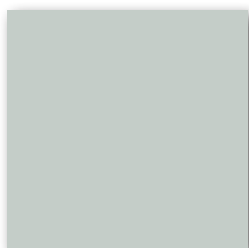
Twin White. Grey. Midnight Blue.

Front Projection

Front projection screens offer high gain with excellent contrast, wide viewing angles, bright pictures and can be used in a variety of ambient lighting conditions. These screens can be used with a variety of projectors from small to large, whilst still ensuring optimum performance.

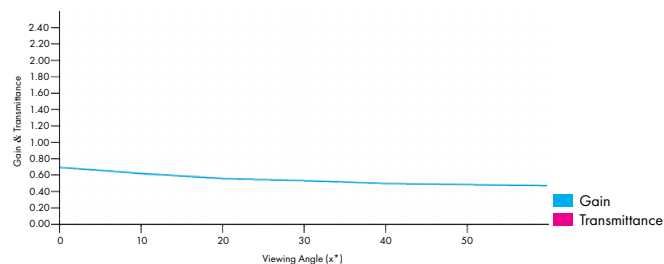
Contrast Grey

A front projection screen that enhances contrast for projectors which are not optimised for dark colours. Suitable for use with multiple projectors.



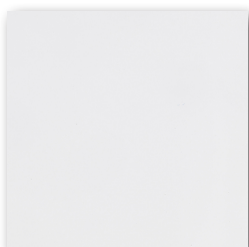
PVC068

 Approx Roll Length: 60m / 197ft	 FR Rating: DFR
 Width: 230cm / 90"	 FR Certification: BS5867
 Weight: 500 g/m²	 Custom Dye N/A
 Gain: 0.7	 Transmittance: N/A



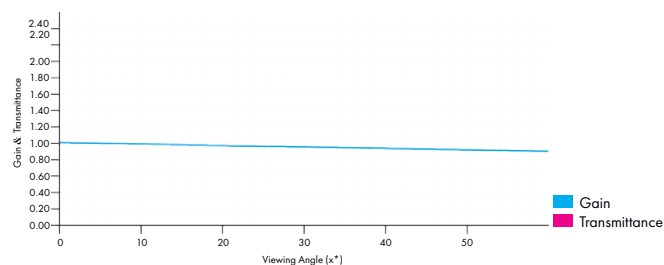
Matt White

A front projection surface, designed for use with multiple projectors whilst distributing projected light evenly, thus maximising viewing angles.



PVC044

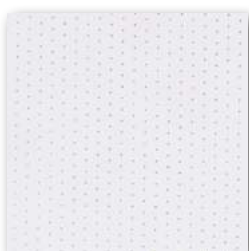
 Approx Roll Length: 50m / 164ft*	 FR Rating: DFR
 Width: 230cm / 90"	 FR Certification: BS5867
 Weight: 500 g/m²	 Custom Dye N/A
 Gain: 1.0	 Transmittance: N/A



*ROLL LENGTH also available in 60m roll length (White PVC046)

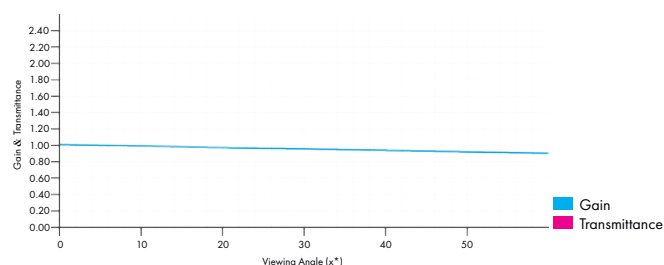
Perforated White

A front projection screen with perforations to allow sound to pass through the screen.



PVC045

 Approx Roll Length: 50m / 164ft	 FR Rating: DFR
 Width: 227cm / 89"	 FR Certification: BS5867
 Weight: 500 g/m²	 Custom Dye N/A
 Gain: 1.0	 Transmittance: N/A



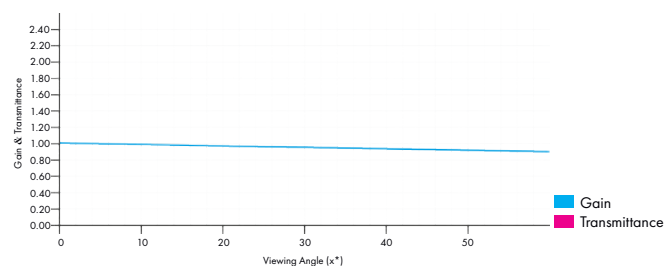
Matt White 3.0

A wide width front projection screen, designed for use with multiple projectors and suitable for edge blending.



PVC090

	Approx Roll Length: 100m / 328ft		FR Rating: DFR
	Width: 300cm / 118"		FR Certification: BS5867
	Weight: 450 g/m²		Custom Dye N/A
	Gain: 1.0		Transmittance: N/A



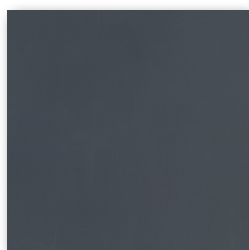
*PLEASE NOTE our 3m screens are intended for use off the roll and not suited to welding

Rear Projection

Rear projection screens meet a range of contrast and transmission requirements, offering a wide viewing angle, some of which are also suitable for edge blending with multiple projectors. They can double up as a surface to provide background colour and can also be used for lighting and scenic effects.

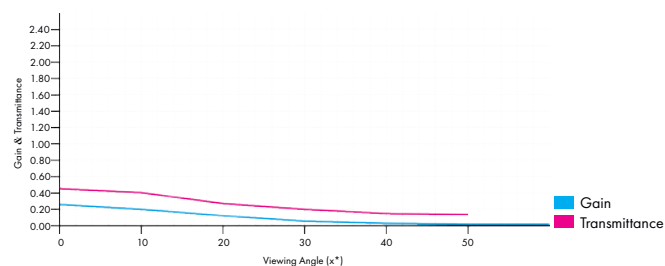
Midnight Blue

A rear projection screen, suitable for use with a single projector providing a wide viewing angle.



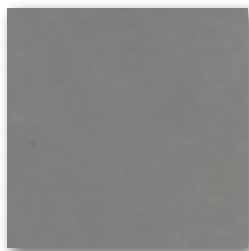
PVC059

	Approx Roll Length: 60m / 197ft		FR Rating: DFR
	Width: 220cm / 87"		FR Certification: BS5867
	Weight: 500 g/m²		Custom Dye N/A
	Gain: 0.25		Transmittance: 0.45



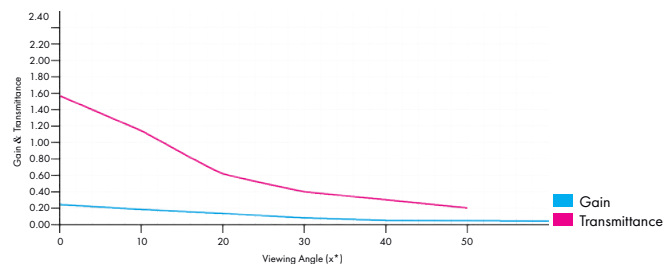
Hi-Trans Grey

A rear projection surface, suitable for use with a single projector, offering vibrant colours and good contrast.



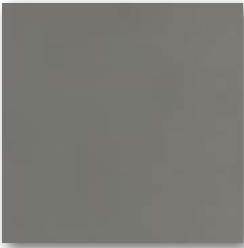
PVC061

	Approx Roll Length: 60m / 197ft		FR Rating: DFR
	Width: 200cm / 79"		FR Certification: BS5867
	Weight: 500 g/m²		Custom Dye N/A
	Gain: 0.25		Transmittance: 1.6



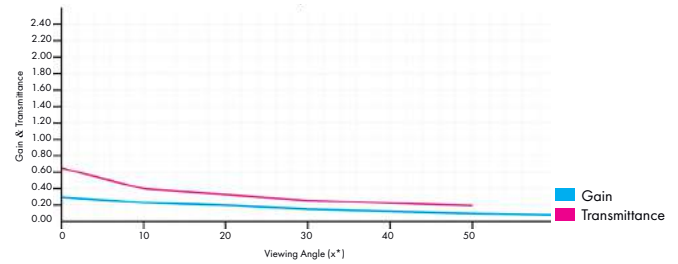
Grey

A rear projection surface with the lowest transmittance of the range, making it ideal for short throw projection or edge blending multiple projectors.



PVC042

Approx Roll Length: 60m / 197ft	FR Rating: DFR
Width: 220cm / 87"	FR Certification: BS5867
Weight: 500 g/m²	Custom Dye N/A
Gain: 0.3	Transmittance: 0.65



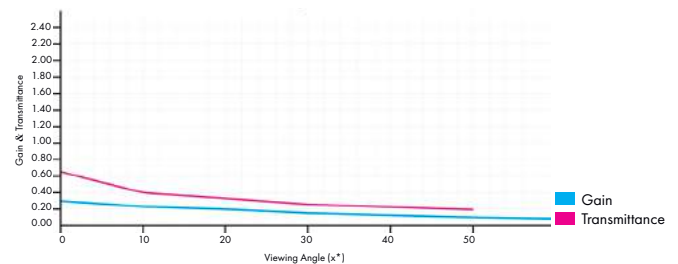
Grey 3.0

A 3m wide version of our grey screen, used for rear projection and perfect for use with multiple projectors.



PVC091

Approx Roll Length: 100m / 328ft	FR Rating: DFR
Width: 300cm / 118"	FR Certification: BS5867
Weight: 450 g/m²	Custom Dye N/A
Gain: 0.3	Transmittance: 0.65



*** PLEASE NOTE** our 3m screens are intended for use off the roll and not suited to welding

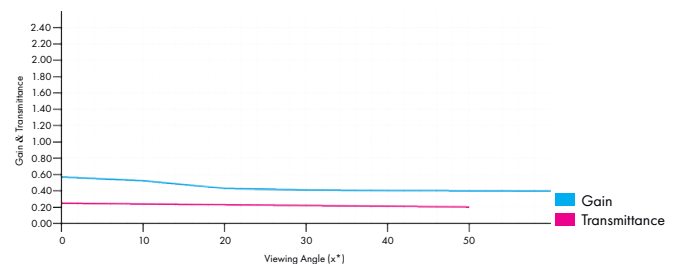
Sky Blue

A rear projection surface, with a wide viewing angle, ideal for dark conditions and suitable for edge blending.



PVC058

Approx Roll Length: 60m / 197ft	FR Rating: DFR
Width: 220cm / 87"	Fire Certification: BS5867
Weight: 500 g/m²	Custom Dye N/A
Gain: 0.55	Transmittance: 0.25



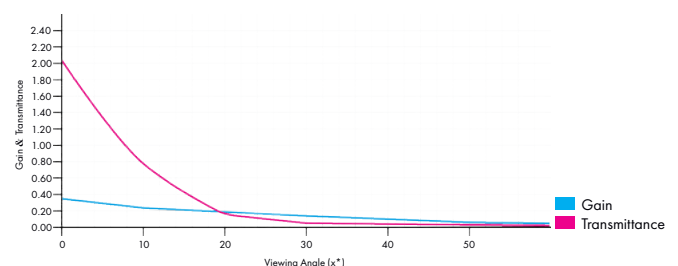
Fog

A frosted surface, which can be used for lighting effects, illuminated ceilings and as a diffusion screen for LED's.



PVC030

Approx Roll Length: 60m / 197ft	FR Rating: DFR
Width: 220cm / 87"	FR Certification: BS5867
Weight: 500 g/m²	Custom Dye N/A
Gain: 0.3	Transmittance: 2.05



Dual Projection

Dual projection screens are flexible and can be used for both front and rear projection. These screens offer wide viewing angles, and can be used for combined front and rear projection, as well as edge blending with multiple projectors.

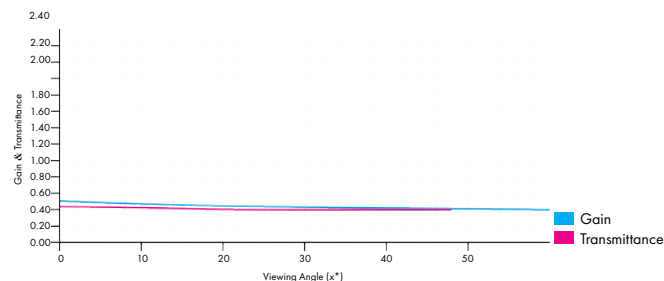
Twin White

A dual screen, which provides a wide viewing angle under both front and rear projection and is excellent for blending images on short throw multiple projectors.



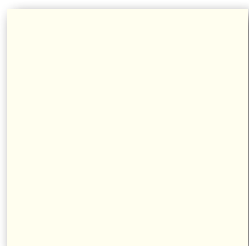
PVC055

 Approx Roll Length: 60m / 197ft	 FR Rating: DFR
 Width: 220cm / 87"	 FR Certification: BS5867
 Weight: 500 g/m²	 Custom Dye N/A
 Gain: 0.5	 Transmittance: 0.45



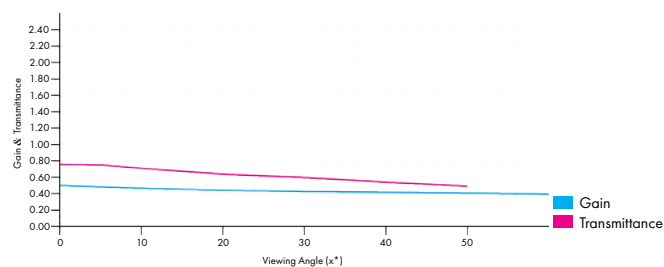
Cream

A dual screen, with a wide viewing angle for use in dark or low ambient light conditions.



PVC064

 Approx Roll Length: 60m / 197ft	 FR Rating: DFR
 Width: 240cm / 94"	 FR Certification: BS5867
 Weight: 500 g/m²	 Custom Dye N/A
 Gain: 0.5	 Transmittance: 0.75



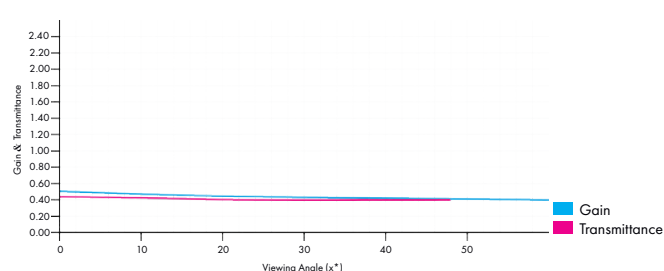
Twin White 3.0

A wide width dual screen, ideal for when the same image brightness is required on both sides of the surface.



PVC092

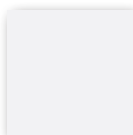
 Approx Roll Length: 100m / 328ft	 FR Rating: DFR
 Width: 300cm / 118"	 FR Certification: BS5867
 Weight: 450 g/m²	 Custom Dye N/A
 Gain: 0.5	 Transmittance: 0.45



* PLEASE NOTE our 3m screens are intended for use off the roll and not suited to welding

Clear

A completely translucent projection screen, suitable for lighting and scenic effects and also as a painted backdrop.



PVC048

 1 Colour Available	 Approx Roll Length: 50m / 164ft	 Width: 137cm / 54"	 Weight: 500 g/m²	 FR Rating: DFR	 FR Certification: BS5867	 Custom Dye N/A
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Edge Finishes

J&C Joel provide a range of edge finishes for our bespoke screens.

Metal Eyelets

50mm hemmed edge with a standard spacing of 150mm between eyelets, *(which allow for the most tension to be applied)*



Front & back view



Self Colour Eyelets

Non-reflective plastic eyelets, 50mm hemmed edge with a standard spacing of 150mm between eyelets.



Front & back view



Web & Press Studs

Screen surface with studs to match those of customer's snap frames. Customer's frame must be provided.



Welded Black Masking

Provides a border to the screen to prevent image bleeding.



Pocket

Normally 100mm lay flat pocket, commonly used at the top to hang the screen and/or at the bottom/sides to provide screen tension (bar or chain).



Pocket & Skirt

Normally 100mm lay flat pocket with a 200mm flap over the pocket for a neater finish.



Eyelets &

Bottom



Bungees

Black or white with a 4mm core, 280mm in length.



Tie Tapes

Black or white and pre-tied to the eyelets in the screen.



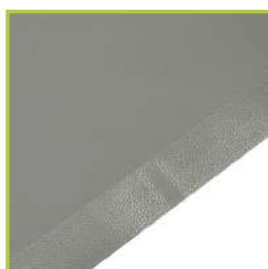
Webbed

A standard of 50mm hemmed edge.



Velcro

Available in either black or white at 25mm or 50mm; the loop half of the velcro can be welded to the screen.



Dual Lock

Similar to Velcro but attached with an adhesive backing to the screen.



Keder

Commonly welded to the screen Keder is ideal for fast installations onto Keder rail. Standard 10mm diameter.

Bungees



Pocket



Scalloped Pocket

Normally 100mm lay flat pocket, with shaped cut-outs added to insert a bar for tensioning or flying points.



Cut Square

No edge finishing. Cut to a specific dimension.

Also Available

Oversized cut

Ideal for stapling to a frame. Approximately 200mm additional fabric on the height and width. All finishes and consumables come in a variety of sizes to suit your needs, please contact our sales team.



Showcase







Chroma Key

Visual special effects have become an integral part of the film and TV industries; used to create environments which look realistic but would be dangerous, expensive, impractical or impossible to capture on film.

In order to create amazing action shots, stunts and characters, blue and green backgrounds are used, along with a technique called chroma keying. This allows separately filmed background footage or a static image to be inserted into the scene.

To meet the requirements of the film and TV industries, we have specially selected some of our best-selling fabrics and floorings and custom dyed them to chroma key blue and green.

We offer our Chroma Key fabrics and flooring with a range of flame retardancy durabilities including NDFR, DFR and IFR standards including British, French and German.

Coloured Wool Serge

A specially dyed Wool Serge, which enables special effects via the camera and mixing equipment.



Colours Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 500 g/m ²	FR Rating: IFR	FR Certification: BS5867, IMO	Fabric Thickness: *1.70 mm	Custom Dye N/A

* FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions

Trevira CS Cyclorama Canvas 6.0



An inherently flame retardant version of our cotton Cyclorama Canvas dyes specifically to suit the chroma key process for special effects.



Colours Available	Approx Bale Length: 60m / 197ft	Width: 600cm / 236"	Weight: 200 g/m ²	FR Rating: IFR Trevira CS*	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye N/A

* ADDITIONAL INFO 100% Trevira CS

Joelastic 2.0



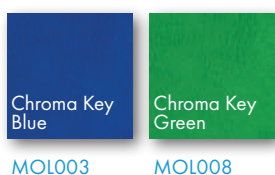
A wide poly-stretch fabric, with a sheen finish, perfect for studios and stretching over frames.



Colours Available	Approx Roll Length: 50m / 164ft	Width: 200cm / 79"	Weight: 260 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1	Custom Dye N/A

Molton 3.0

A cost-effective brushed cotton fabric, dyed to meet the requirements of the film and TV industry.



Colours Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 320 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, EN13773, EN13501-1	Custom Dye N/A

* PLEASE NOTE also available in 500m block pallets

IFR Molton CS

An IFR polyester Molton, which is only brushed on one side, offered in Digital Key and Chroma Key colours.



Colours Available	Approx Bale Length: 60m / 197ft	Width: 300cm / 118"	Weight: 320 g/m ²	FR Rating: IFR	FR Certification: BS5867, M1, B1, EN13501-1	Custom Dye N/A

*PLEASE NOTE also available in 500m block pallets

Digifoam

A loop Nylon foam backed fabric, ideal for large format blue or green screens for the film production industry.

Blue	Green	Colours Available	Approx Roll Length: 50m / 164ft	Width: 183cm / 72"	Weight: 230 g/m ²	FR Rating: NDFR	FR Certification: BS5867	Custom Dye N/A

Joelmat

A versatile vinyl flooring, perfect for film and TV studios.

Chroma Key Green	Colour Available	Approx Roll Length: 25m / 82ft	Width: 200cm / 79"	Weight: 1340 g/m ²	FR Rating: DFR	FR Certification: BS4790	Custom Dye N/A

JM012

*PLEASE NOTE this flooring is 2mm thick and rolled face outwards



South Cheshire College - Coloured Wool Serge (WS019)

124 Chroma Key Paints

We offer a wide range of Rosco paints, which feature a flexible binder, single-sourced pigments and an ultra flat finish. They are perfect for use on different surfaces, including flooring, projection screens, canvas, scenery and props. They can also be used to create special effects using ultraviolet light. For scenic paints please see page 88.

DigiComp® HD

This paint's colour standards are manufactured for crisp, clean separation of the foreground/background in digital compositing. DigiComp® HD is formulated to provide the luminance and RGB values for optimum operation of all digital compositing systems.

Both colours available in 3.785 litres and 18.95 litres.
Blue - 5750 Green - 5751



Chroma Key Paint

Rosco Chroma Key paints have been formulated with the assistance of video technicians throughout the world. They are manufactured to provide the high luminance values and colour saturation for keying effects.

Both colours available in 0.946 litres, 3.785 litres and 18.95 litres.
Blue - 5710 Green - 5711



TV Paint

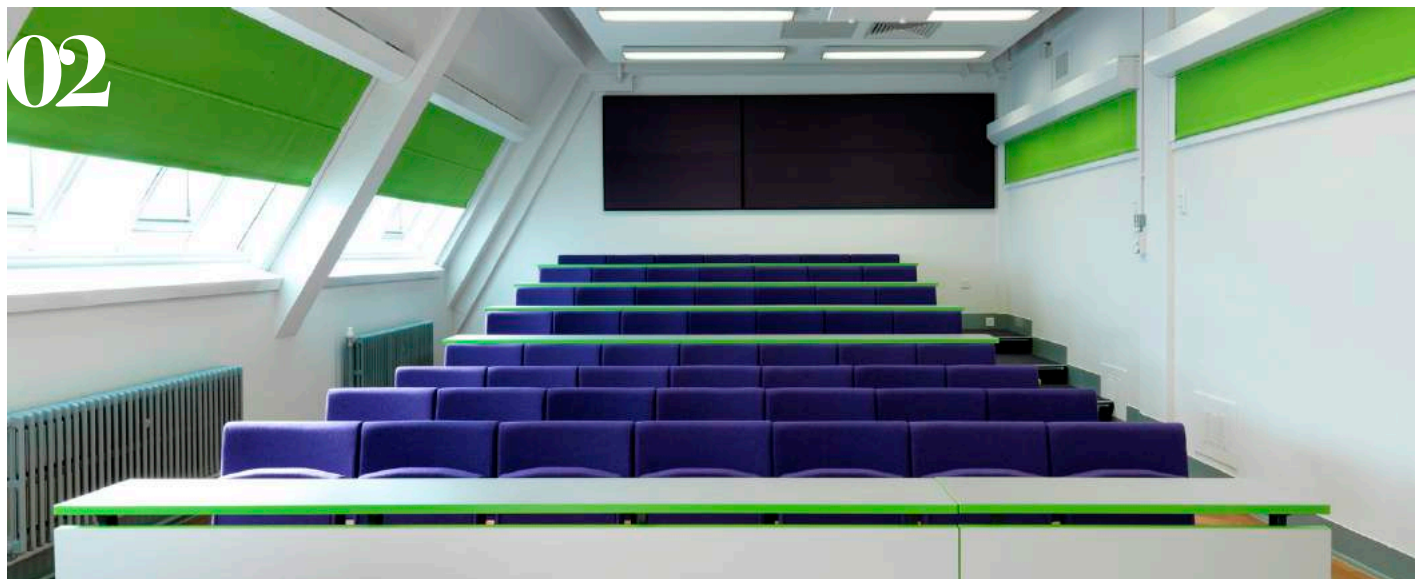
Rosco TV Paints provide maximum and minimum reflectance values to meet the contrast requirements for standard television and video systems. TV White is a light grey with 60% reflectance, which is the maximum for use in video white balancing. TV Black is a matte black, which offers 3% reflectance, the minimum for transmission.

Both colours available in 3.785 litres.
TV Black - 5740 TV White - 5735



Showcase





Showcase







Star Cloths

To add a stellar performance to any event, show, or venue choose from our range of Fibre Optic and LED Star Cloths.

J&C Joel's specialist team produce our bespoke fibre optic star cloths. We work with ShowLED to provide a range of LED solutions. So whatever your requirements, we can ensure breathtaking results that will dazzle your audience.

Star Cloths have a variety of uses; whether you are looking for a colourful twinkling backdrop, creating a realistic starry sky on your venues ceiling, or a stunning dynamic video wall, this range contains the solution for you.

Installation indoors and outdoors can be done by selecting the most suitable system for your requirements. Fire safety standards are also met across the range bringing peace of mind during performance.

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Fibre Optic Star Cloths

Add a touch of class to your event, show, or venue by creating the ultimate backdrop with our fibre optic starcloths.

Our cloths are handmade in-house and offer a cost-effective alternative to their LED counterparts. They are manufactured using black Wool Serge or Velvet, fitted with fibre optics and lined with various fabrics. The fibre optics are then powered using a 75-watt halogen light source (other light sources are available) with either a twinkle or colour wheel, to create a classic starry night sky effect.

As a standard, we use 1mm or 1.5mm fibres or a combination of both. Typically we provide around 5 to 10 light points per square metre, but we can also customise this according to your design. Around 440 1mm fibres or 180 1.5mm fibre optic points can fit into one ferrule, which terminates into the light source.

We recommend that our starcloths are manufactured flat, but can also be produced with fullness if desired, and with our standard drapery finishes.

A fibre optic star cloth will not become obsolete as you can continue to use it, with a succession of ever more economical and sophisticated light sources.

Apart from giving the cloth an occasional brushing with a drapery brush to keep it clean, the only regular maintenance required is to change the individual light sources.

Fibre optic cloths have inherent safety advantages. The cloth itself has no electrical components and generates no heat. All heat and electricity are confined to the compact light source. We ensure the fabrics used to manufacture the cloth conform to the required flame retardancy standards.

Contact our sales team to discuss your requirements.

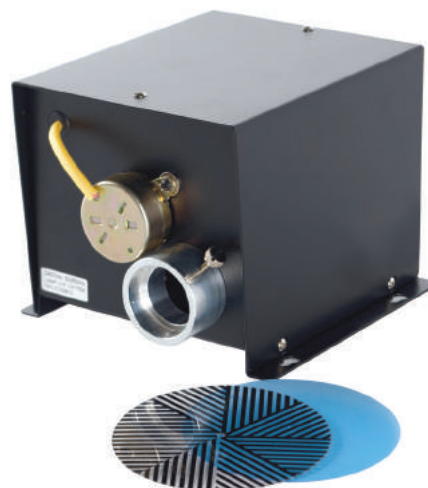


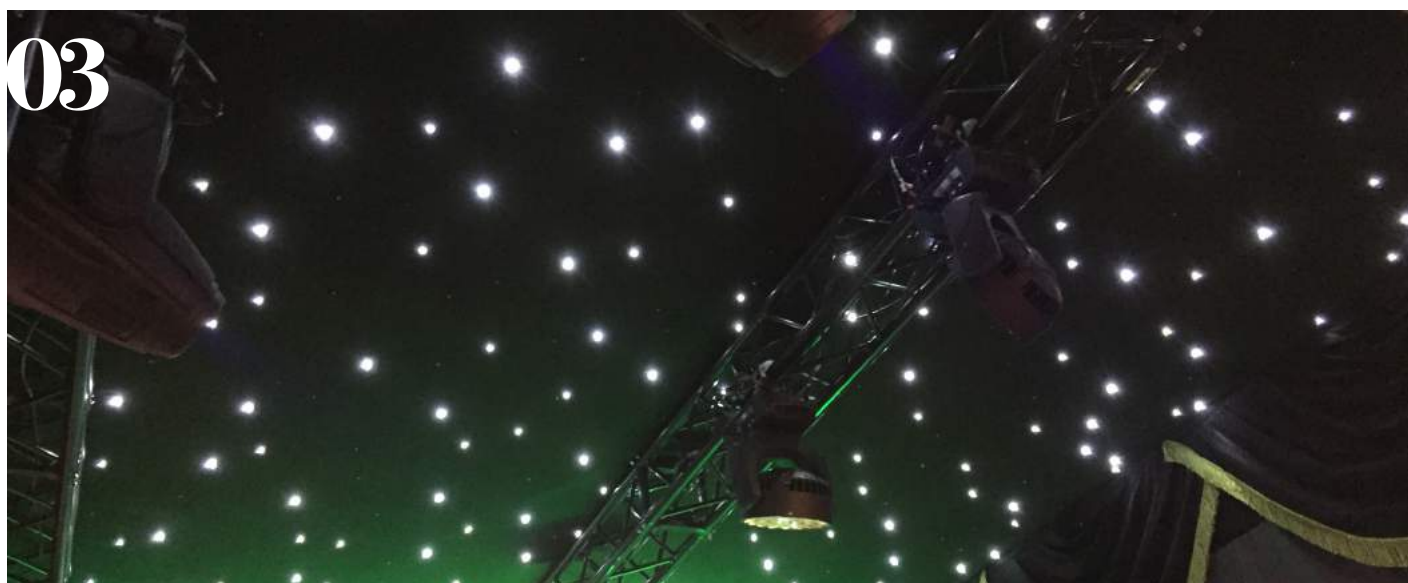
Light Source

A plug in light source with rotating twinkle or colour wheel filters. Light travels through the fibres to each point, creating the stars.

LS001 - *Light source*

WHE001 - *Colour / Twinkle wheels*





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ShowLED Star Cloths

Classic LED

The ShowLED Classic is a truly dynamic star backdrop.

An artificial starry sky never looked so realistic! The LEDs are randomly placed in a black Molton CS fabric, forming constellations and star fields.

Classic components can also be integrated into many other fabrics or surfaces. With 8 output channels, the dedicated controller is DMX compatible and offers two DMX modes. Control of preset chases includes minimum and maximum intensity, chase speed, and pattern behaviour - or full dimmer control of each individual output channel.

ShowLED Classic has stand-alone features and is truly plug and play. The controller can be programmed manually with the option of saving settings directly to the controller. When linked together, several connected drapes can be controlled simultaneously and if required fully synchronised.

Wide
viewing
angle

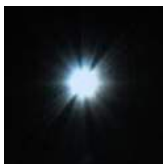
Replaceable
pull-and-push
LEDs

Strings of
12 or 16
LEDs

Standard
6 LEDs
per sqm

Hook and loop
fasteners

Conbox
control
(see next page)



Classic White

Cool White.
Single Colour.
9000 Kelvin.



Warm White

Warm White.
Single Colour.
3200 Kelvin.



Spark LED

Single Colour.
Available in White, Red,
Green, Blue and Orange.

Tunable LED

Meet the ShowLED Tunable White LEDs, the system that sets new standards for dynamic star backdrops.

Choose between a bluish-white colour temperature and a cosy warm-white touch, or anything in between. The Tunable White LEDs offer a remarkable range from 2700 up to 8000 Kelvin. Fully compatible with the existing Conbox controller, featuring an excellent 12-bit dimming curve.

Easily set the LEDs on the go to a colour temperature of choice, or mix and match over the 8 output channels using the stand-alone controller functions or via DMX. For programming of larger set-ups, the controller offers a handy master-slave configuration.

To top it all off, the ShowLED Tunable White system is available for both indoor (IP40) and outdoor (IP65) use.

Wide
viewing
angle

2700 to
8000 Kelvin

Strings of
12 or 16
LEDs

Standard
6 LEDs
per sqm

Hook and loop
fasteners

Conbox
control
(see next page)

Chameleon LED

The colours of the rainbow at your fingertips.

ShowLED Chameleon offers the same extensive features as the ShowLED Classic system, but with stars in every colour as a result of RGB colour mixing.

ShowLED Classic and Chameleon star curtains share the same controller. Once RGB LED strings are linked to the controller, the unit will automatically switch to RGB mode. Available in a full colour spectrum, Cameleon offers colour changes, twinkling effects, or chase patterns. They are easily DMX controlled through preset effect memory or offer full dimmer control of each output channel.

With 8 output channels, a controller runs a maximum of 256 RGB LEDs. Given the standard density of around 6 LEDs per sqm (randomly placed), one controller can run a star curtain surface of up to 50 sqm. By linking several controllers together in master/slave configuration, multiple panels become one extended setup.

Wide
viewing
angle

Replaceable
pull-and-push
LEDs

Strings of
12 or 16
LEDs

Standard
6 LEDs
per sqm

Hook and loop
fasteners

Conbox
control



Idol Iceland - Chameleon Star Cloth

Control the Show

The ShowLED Conbox control system is used across the Classic, Tunable and Chameleon LED Star cloths.



Conbox

8 output controls.
Powers 256 RGB LEDs.
13 amp. 100-240v.
Stand-alone mode with chase patterns.
Clip-on LED string connectors.
DMX Compatible.
RDM Ready.
Dimensions: 140 x 135 x 43mm Weight: 0.45kg



134 ShowLED Animation

LED Animation Indoor

The dynamic ShowLED Animation Indoor system lets you create video effects with flexible and lightweight drapes making it the fastest, most cost-effective way to install a low resolution video display screen.

Display low to medium resolution still images, video loops, and flash animations during performances and special events, or make the Animation curtains the star of the show.

The RGB LEDs can be individually controlled as pixels and offer fast refresh rates for superb flicker free picture and video quality. Animation components can be integrated into many other fabrics or surfaces. Individual images can be configured across countless attached drapes with single control to produce large animated surfaces.

High quality RGB LEDs	20 - 100 LEDs per sqm	16.7 million colours	64 LEDs per cable	Intelligent LED sockets	Animation controller
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LED Animation Waterproof

The Animation Waterproof is an outdoor version of the original Animation. In combination with a rugged high tech netting, it is ready for temporary outdoor installations. In combination with other outdoor fabrics, like PVC mesh, creative minds can explore new boundaries.

To keep the wide viewing angle and the excellent RGB colour mixing of the indoor version, a new lens was developed and applied to the moulded LED sockets.

SMD RGB LEDs	20 - 100 LEDs per sqm	IP65	Moulded LED sockets	Conforms to EN 60529:1991 + A1:2000	Animation controller
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Animation Waterproof

LED Animation Hybrid

The Animation Hybrid is both highly UV-resistant and temporarily submersible (IP67 version). It is blindingly bright on stage and suitable for outdoor daytime use, but subtle thanks to the active colour correction and white balance adaptability.

Designed for the biggest set up possible, yet still a budget-friendly solution, the Animation Hybrid system can be used in a large range of set-ups far beyond fabrics and nettings. Easy wall-mounting is possible through its versatile clips, and the housing is robust enough to fit aluminium frames or to be clipped upon steel wires.

High quality RGB LEDs	20 - 100 LEDs per sqm	16.7 million colours	45 Lumens per pixel	Intelligent LED sockets	Animation controller
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Control the Show

The ShowLED Animation control system is used across the Animation star cloth range in conjunction with a V-box.



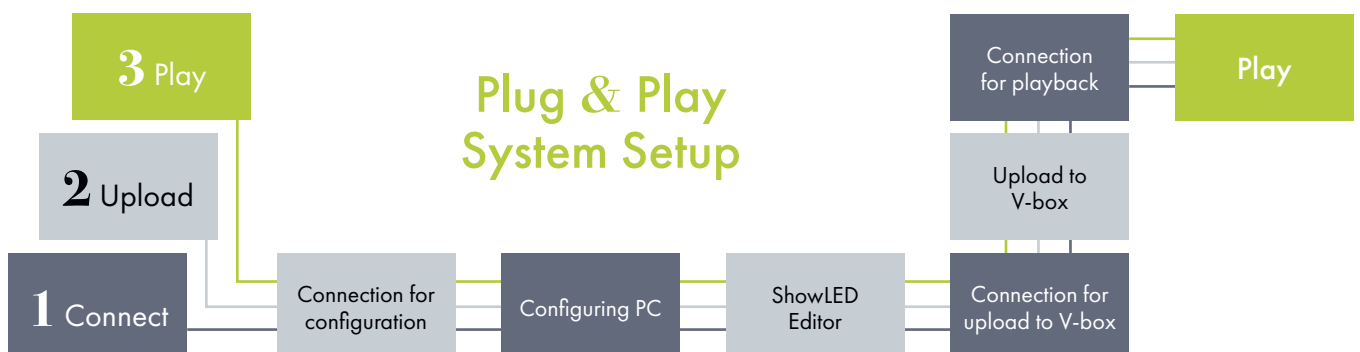
Animation Controller

Max. 1024 RGB LEDs per controller.
19" rack mountable.
Ethernet connection.
Dimensions: 482 x 135 x 85mm Weight: 3.45 kg



V-Box

No additional video controllers or converters required.
Media server/video software compatible.
Plug & Play; upload the file and start projecting.
Supports composite, VGA and S-Video signal.



01



02



03



Showcase







Digital Print

J&C Joel is able to offer various methods of digital print, including dye-sublimation, UV, dye transfer and high-res inkjet printing using the latest machinery and techniques.

We have carefully selected a comprehensive range of synthetic and cotton print ready substrates and we are confident our range will allow you to achieve brilliant, showstopping results.

Whether your print is for a school production or the West End, a local sports event or the Olympics, for a village fête or a world class exhibition, we have it covered. With our ability to produce small scale print and simple designs, through to wide width, seamless backdrops, the only limit is your imagination.

As safety is paramount to us, all of our prints come with a variety of fire certificates with technical datasheets, which can be downloaded from our website.

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Buyer's Guide

Trust Our Experts

There are some key factors to consider when it comes to your digitally printed drapes. This buyer's guide is designed to highlight some of the questions to ask. Once you have the answers we would strongly advise you speak to one of our sales team, who will be able to offer expert advice prior to placing your order.

Seamless Finish?

We are able to offer dye-sublimation, UV and dye transfer prints using fabrics up to 5m wide. By using the fabric's width as the drop, we can utilise the length of the roll to create full seamless backdrops up to 30m wide with a 4.8m drop.

We are also able to offer high-res inkjet prints at up to 12m wide. Using the same principle as above, we are able to offer seamless drapes up to 50m wide with a 11.8m drop.

If seams are not an issue, we are able to join multiple pieces together creating large scale drapes with unlimited widths and drops.

PLEASE NOTE the discrepancy between the fabric width and the drop achievable is due to the manufacturing finishing process.

Colour Matching

Whilst we are able to print to specific CMYK, RAL or Pantone references, we cannot guarantee an exact match on our print substrates. This is due to factors including: varying ink batches, difference in substrate batches and subsequently how each substrate takes the ink, as well as the ambient temperature of the print facility.

Using our expertise, we do extensive testing and sampling to ensure the output colour matches as closely to your desired colour as possible.

Finishing

We are able to offer the same extensive range of finishes that we offer for our standard and specialist drapes. Please refer to our manufacturing section for full details, page 172.

Desired Effect?

Understanding what you want to achieve will make it easier to create your desired look. Some things to consider:

What effect are you trying to achieve with your printed drapes?

Do your drapes need to be opaque or translucent?

Do they need to travel or remain static?

Are you lighting your drapes?

If so, it is important to consider the sheen present in many printed substrates.

Considering these important factors will help our team match the best substrate to suit your needs.

Indoor or Outdoor?

All of our substrates are suitable for indoor use, but not all are suitable for outdoors. Exposure to the elements makes some of our substrates more suitable than others for outdoor use.

We carry a range of water-resistant fabrics, which are great for areas prone to high precipitation.

Our wind permeable fabrics are essential if your drapes may be exposed to strong winds.

Other factors, such as prolonged exposure to the sun, also need to be factored in to your fabric choice.

Our team can advise the best substrate based on your drapes destination.

Artwork Guidelines

The most crucial piece of the digital print puzzle, it is vital that the quality of your artwork is of a high enough resolution and in the correct format to ensure the best outcome. We have set out our artwork guidelines below, if you require any further advice then please speak to a member of our team.

File Formats & Setup

We can accept files in the following formats;
Adobe Creative Cloud

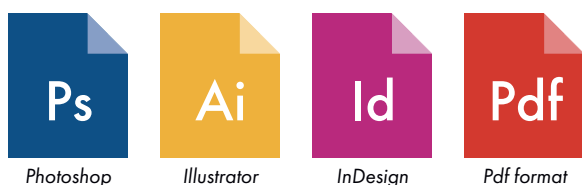


Image types



Please supply your files with a 2mm bleed.

Do not include crop marks or print information, such as colour bars or centre marks on Pdf's.

High-res Pdf's with embedded fonts can be supplied for print output but please ensure the correct bleed has been added.

Native files can also be packaged and supplied including all fonts.

Fonts can be outlined if no extra editing is required.

For multi-panel jobs, do not segment your artwork. Please supply clear split instructions and we will do the rest during the print process.

Please ensure that each file is no larger than 1 GB.

Please supply a low-resolution Pdf proof of your artwork in the first instance. For specific colour matching, please detail the Pantone, RAL or CMYK reference or send hard colour copy proofs.

Still Unsure?

If you have any questions, don't hesitate to contact our sales team who will advise you on supplying the best files to ensure your print steals the show.

Scale, File Size & DPI Guide

Files can be supplied in different scales (10%, 25%, 50%, etc). Please ensure that the dimensions are still in proportion with the required final Pixels Per Inch (PPI) sizes, i.e. 90PPI file at 10th scale will be 900 PPI) Your artwork needs to have a PPI score depending on how close the print will be viewed.

Supplying files at optimum resolution will maximise the efficiency of processing your order.

Viewing Distance	Min PPI Requirement
1 - 2 metres	80 - 100 PPI
2 - 5 metres	50 - 70 PPI
5 plus metres	20 - 40 PPI

Supplying Your Artwork



Low resolution Pdf proofs can be sent via email to the sales representative who is helping you with your order.



We recommend using a web-based file transfer site such as Dropbox or WeTransfer (*other sites available*) to send your artwork. The link to these files can be sent to the sales representative processing your order. Please include any additional information, and if possible, a quotation number to help us process files as quickly as possible.



If you would prefer to send your artwork via post, simply upload your content to a CD, DVD or USB drive and send it F.A.O the sales representative dealing with your order.

Dye Sublimation

Images are produced using water-based dyes printed directly to the media. Once printed, the fabric passes through a heated roller press turning the dyes into a gas. This impregnates the fabric and releases the colour in the pigment to provide stunning, high-quality, vibrant images. Dye Sublimation produces a long-lasting and scratch resistant solution, which can be folded for easy transportation.

Voile



Lightweight

A highly translucent, lightweight sheer substrate used for backdrops, screens and light diffusing.



Approx Roll Length:
30m / 98ft



Weight:
52 g/m²



FR Certification:
B1



Width:
310cm / 122"



FR Rating:
NDFR



Custom Dye
Print



PVO001

Flag



Lightweight



Air Permeable

Widely used for outdoor flags and very large event drapes, including crowd surfer flags and pitch graphics.



Approx Roll Length:
30m / 98ft



Weight:
90 g/m²



FR Certification:
EN13501-1



Width:
500cm / 197"



FR Rating:
NDFR



Custom Dye
Print



PFL001

Poly Gauze



Air Permeable

A 3m wide polyester gauze, offering an IFR finish. Tested for air permeability, great for outdoor use and speaker cluster masking.



Approx Roll Length:
100m / 328ft



Weight:
130 g/m²



FR Certification:
EN13501-1



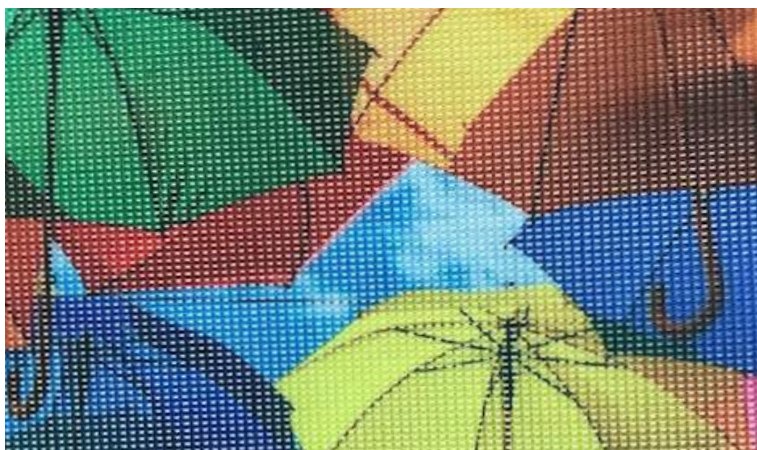
Width:
300cm / 118"



FR Rating:
FR



Custom Dye
Print



PPG001

Gloss Satin

A printed alternative to our Trevira CS Silk and Polyester Trevira CS Satin, ideal for kabuki and reveal drapes.



Approx Roll Length:
30m / 98ft



Weight:
125 g/m²



FR Certification:
EN13501-1



Width:
310cm / 122"



FR Rating:
NDFR



Custom Dye
Print



PGS001

Display Polyester

The most popular printable material, tough and durable, widely used for backdrops, hanging banners and traditionally hung curtains.



Approx Roll Length:
30m / 98ft



Weight:
190 g/m²



FR Certification:
EN13501-1



Width:
500cm / 197"



FR Rating:
NDFR



Custom Dye
Print



PDP001

Theatre Canvas



Projection

A synthetic canvas with the look and feel of a traditional theatre canvas. Perfect for show backdrops and heavyweight printed curtains.



Approx Roll Length:
30m / 98ft



Weight:
340 g/m²



FR Certification:
EN13501-1



Width:
500cm / 197"



FR Rating:
NDFR



Custom Dye
Print



PTC001

Airflow

This air permeable fabric is perfect for outdoor events where it is widely used for speaker scrims, fence branding and flags.



Approx Roll Length:
30m / 98ft



Weight:
110 g/m²



FR Certification:
EN13501-1



Width:
310cm / 122"



FR Rating:
NDFR



Custom Dye
Print



PAF001

Black Back Stretch



Blackout



Stretch

A 100% blackout, stretch fabric perfect for covering frames or shapes and blocking light leakage.



Approx Roll Length:
30m / 98ft



Weight:
210 g/m²



FR Certification:
EN13501-1



Width:
500cm / 197"



FR Rating:
NDFR



Custom Dye
Print



PBB001

Backlit

A premium backlit fabric that can be folded and has great crease recovery. Used widely with light boxes and other light sources.



Approx Roll Length:
30m / 98ft



Weight:
170 g/m²



FR Certification:
EN13501-1



Width:
500cm / 197"



FR Rating:
NDFR



Custom Dye
Print



PBL001

Dye Transfer Print

Images are printed onto a wide width paper and then transferred onto the fabrics surface using heat. This allows images to be printed onto fabrics with varying pile depths, which are not designed to pass directly through the digital print machines. We are able to offer dye transfer printing in widths up to 3 metres.

Velvet Velour

A short pile velour specially prepared for print, which opens up a host of opportunities, to add a touch of luxury to your event or performance.



Approx Roll Length:
55m / 180ft



Weight:
300 g/m²



FR Certification:
BS5867, NFPA 701



Width:
150cm / 59"



FR Rating:
IFR



Custom Dye
Print



PVV001

Printed Joelastic



Stretch

Our traditional Joelastic, combined with the latest in dye transfer technology, makes this an ideal fabric for stretching over frames for an endless number of shapes and designs.



Approx Roll Length:
50m / 164ft



Weight:
260 g/m²



FR Certification:
BS5867



Width:
300cm / 118"



FR Rating:
NDFR



Custom Dye
Print



PJO001



Sochi Olympic Games - Airflow (PAF001)

UV Print

UV printing uses ultraviolet lights to cure the ink as it is printed. As the printer distributes ink on the surface of the substrate, specially designed UV lights follow close behind drying the ink instantly. What is left is a remarkably durable and sharp image, most commonly used on PVC based materials. We are able to offer UV printing in widths up to 5 metres .

Banner



An outdoor grade, long-term vinyl coated polyester, ideal for banners and building wraps, which can also be used indoors.

	Approx Roll Length: 30m / 98ft		Weight: 440 g/m²		FR Certification: N/A
	Width: 500cm / 197"		FR Rating: NDFR		Custom Dye Print



PBA001

UV Backlit



An outdoor grade, long-term vinyl coated polyester version of our backlit fabric, used for backlit displays and flex face light boxes.

	Approx Roll Length: 30m / 98ft		Weight: 450 g/m²		FR Certification: B1
	Width: 500cm / 197"		FR Rating: NDFR		Custom Dye Print



PBL002

Transition

A lightweight foldable fabric, printed with multiple images to allow the transition from day to night when lit from behind. Suitable for all lighting types.

	Approx Roll Length: 30m / 98ft		Weight: 190 g/m²		FR Certification: EN13501-1
	Width: 500cm / 197"		FR Rating: NDFR		Custom Dye Print



PTR001

PVC Mesh



Air Permeable Water Resistant

Lightweight alternative to Banner, where wind load may need to be considered, offering a great alternative for larger scale outdoor prints.

	Approx Roll Length: 30m / 98ft		Weight: 270 g/m²		FR Certification: EN13501-1, B1
	Width: 500cm / 197"		FR Rating: NDFR		Custom Dye Print



PPV001

Cotton Gauze



Air Permeable Projection

A stable, 5.0m wide gauze similar to a traditional Sharkstooth. This fabric is specially prepared for print and offers great image clarity.

	Approx Roll Length: 30m / 98ft		Weight: 150 g/m²		FR Certification: EN13501-1
	Width: 500cm / 197"		FR Rating: NDFR		Custom Dye Print



PCG001

Printed Joelmat

Our traditional Joelmat, combined with the power of digital print technology, to produce a custom flooring option. Perfect for adding the finishing touch to your event or stage.

	Approx Roll Length: 22m / 72ft		Weight: 1340 g/m²		FR Certification: BS4790, EN 13501-1
	Width: 195cm / 77"		FR Rating: DFR		Custom Dye Print

***PLEASE NOTE** due to the print process this product is printed edge to edge at 195cm wide. This product is 2mm thick



PJM001

Wide Width Print

Using the latest high-resolution inkjet technology, we are now able to offer digitally printed cloths using 100% cotton materials at widths of up to 12 metres. This means we are able to produce seamless backdrops measuring 50m wide x 11.8m drop opening up new possibilities for theatrical, exhibition and entertainment backdrops.

Muslin



Lightweight

A traditional cotton print ready muslin fabric. Using unique technology we are able to print seamless backdrops with drops up to 11.8m.



Approx Roll Length:
50m / 164ft



Weight:
70 g/m²



FR Certification:
EN13501-1



Width:
1200cm / 472"



FR Rating:
NDFR



Custom Dye
Print



PMU001

Canvas



Projection

Our wide width printable canvas can be used for a whole host of applications from stage backdrops through to 360 degree cycloramas.



Approx Roll Length:
50m / 164ft



Weight:
280 g/m²



FR Certification:
N/A



Width:
1200cm / 472"



FR Rating:
NDFR



Custom Dye
Print



PCA001

Filled Cloth

A print ready version of our traditional filled cloth, offering the same wide width advantages as the Canvas but with a softer handle and texture.



Approx Roll Length:
50m / 164ft



Weight:
250 g/m²



FR Certification:
B1



Width:
975cm / 384"



FR Rating:
NDFR



Custom Dye
Print



PFC001

Gauze



Air Permeable Projection

A wide width sharktooth gauze, specially stabilised for digital print. Combining transitional effects with the added dimension of a printed image.



Approx Roll Length:
50m / 164ft



Weight:
125 g/m²



FR Certification:
M1, B1, EN13773



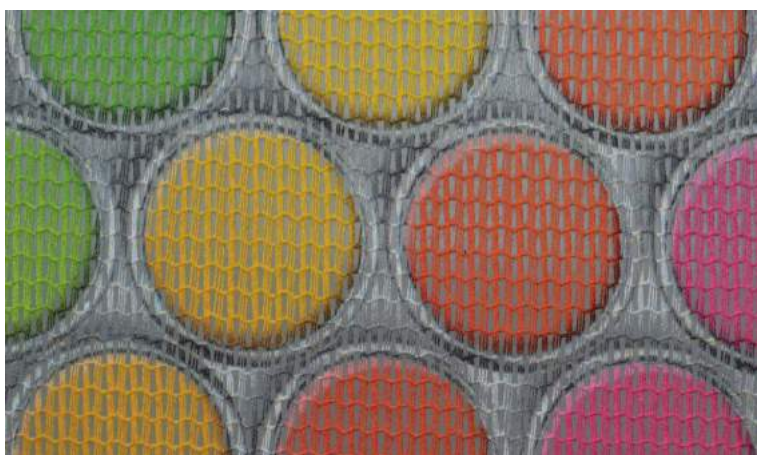
Width:
1120cm / 441"



FR Rating:
NDFR



Custom Dye
Print



PGA001

Day/Night

A wide width day/night fabric offering the same benefits as our Transition fabric but on a wide width cotton substrate.



Approx Roll Length:
50m / 164ft



Weight:
280 g/m²



FR Certification:
B1



Width:
1200cm / 472"



FR Rating:
NDFR



Custom Dye
Print



PDN001



'Pinocchio' National Theatre - Filled Cloth (PFC001)



Showcase







Flooring

From versatile vinyl dance, stage and exhibition flooring to budget friendly hard-wearing carpets, we have a range of event and performance flooring to suit any requirement.

We offer permanent, semi-permanent and temporary flooring solutions that can be used in all manner of settings and venues and is applied using tape, glue or welded for sealed seams.

Our flooring is available in a range of colours, to add the finishing touch to your event, stage or anywhere you want to create an impact.

All of our flooring is flame retardant and meets a range of fire certifications.

Installation

Depending on the application surface and technical requirements, the following methods can be used:

Loose lay - *For temporary use.*

Roll flooring over desired area and tape over seams on the surface to fix temporarily.

Perfect for touring shows, events, exhibitions and ceremonies.

Semi-Permanent

Fix the floor with double sided tape under the seams and tape over seams on the surface. Alternatively, seams can be hot/cold welded if required.

Perfect for stages, film, TV studios and multi-purpose halls.

Permanent

Flooring will be fixed in place with glue with the seams hot/cold welded.

Perfect for studios, leisure venues and education spaces.

After Care & Storage

Regular cleaning is essential to the longevity and appearance of our flooring range. To keep your floor looking its best, regularly vacuum or sweep to remove any dust and debris. Extra care should be taken when cleaning high gloss or mirror floorings.

All our PVC flooring can be washed with an alkaline PVC compatible flooring detergent. To avoid residue build up and the floor becoming slippery, this should be rinsed with warm water. Allow the floor to dry before use. For loose lay installation simply use a damp mop to avoid water seeping under the flooring.

If not in use in a venue, the flooring should be tightly wrapped around a tube and ideally stored horizontally on a flooring trolley. This supports the weight from within to avoid pressure marks on the outer layer. If no trolley is available, lay the rolls on a smooth flat surface that supports the full length equally. It should be turned periodically if stored this way for more than a month. Always store in a clean, dry, well ventilated area with temperatures between +10c and +25c.

If transporting, rolls should be shipped horizontally. Rolls should be rested along their full length to avoid dents or creasing. Straps should not be overtightened during transportation and upon arrival should be removed immediately.

Tapes



Clear to the core

A glossy, ultra-clear tape that is lightweight yet durable, it is perfect for the installation of flooring.

JLA001 - Clear (50mm Wide)

JLA002 - Clear (25mm Wide)



Pro Splice

A hard wearing flexible vinyl tape that creates smooth seamless splices on flooring and is easy to apply.

PROGL50B - Black

PROGL50W - White

PROGL50C - Clear



NEC Double Sided

A low tac peelable adhesive tape perfect for temporary flooring installations.

NECW38 - White (38mm Wide)

NECW50 - White (50mm Wide)

01



02



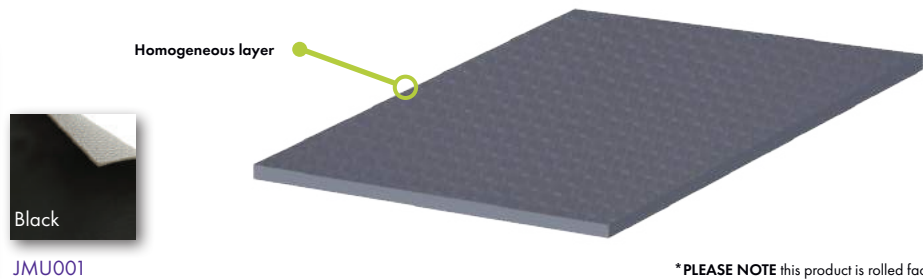
03



Joelmat Underlay

Joelmat underlay provides a stable base, which is resistant to damp and minimises laying time as it can reduce normal sub-floor drying times.

 Approx Roll Length: 25m / 82ft	 FR Rating: FR
 Width: 145cm / 57"	 FR Certification: EN13501-1, BS4790
 Weight: 1600 g/m²	 Custom Dye N/A
 Thickness: 1.4mm	 Colour Available 1



* PLEASE NOTE this product is rolled face outwards

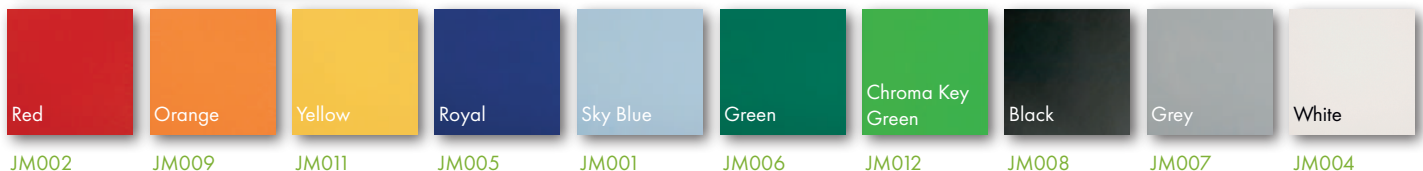
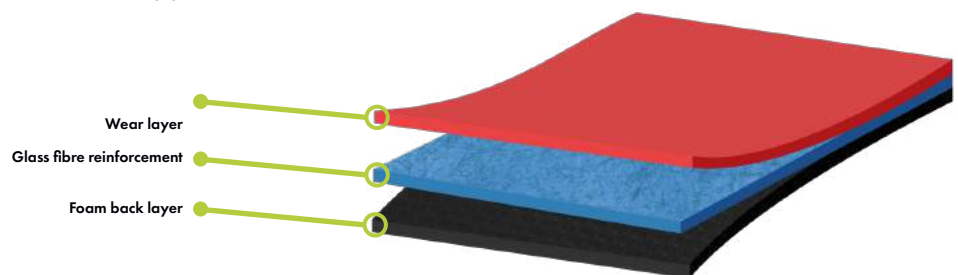
Joelmat



Digital Print

A versatile event flooring, that is perfect for all applications in the event and entertainment industries.

 Approx Roll Length: 25m / 82ft	 FR Rating: DFR
 Width: 200cm / 79"	 FR Certification: EN13501-1, BS4790, AS ISO 9239.1
 Weight: 1340 g/m²	 Custom Dye Available*
 Thickness: 2mm	 Colours Available 10



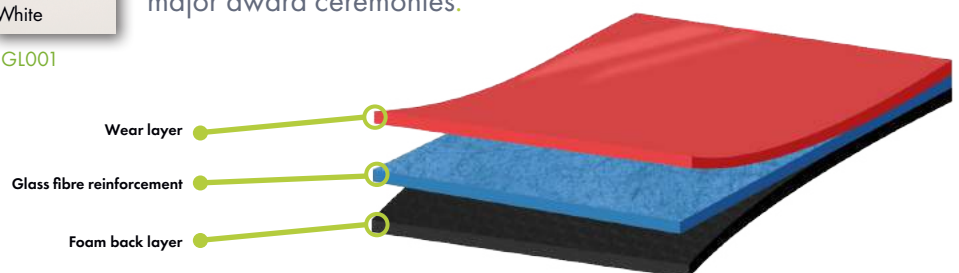
* CUSTOM DYE price on application, 8 wk lead time, MOQ of 1000m. PLEASE NOTE this product is rolled face outwards

Joelmat Gloss



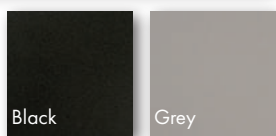
As the name suggests, this is a high gloss coated semi-permanent flooring, which has been used to cover catwalks and stages for major award ceremonies.

 Approx Roll Length: 25m / 82ft	 FR Rating: DFR
 Width: 150cm / 59"	 FR Certification: EN13501-1, BS4790
 Weight: 1300 g/m²	 Custom Dye Available*
 Thickness: 2mm	 Colours Available 4



* CUSTOM DYE price on application, 8 wk lead time, MOQ of 1000m. PLEASE NOTE this product is rolled face outwards

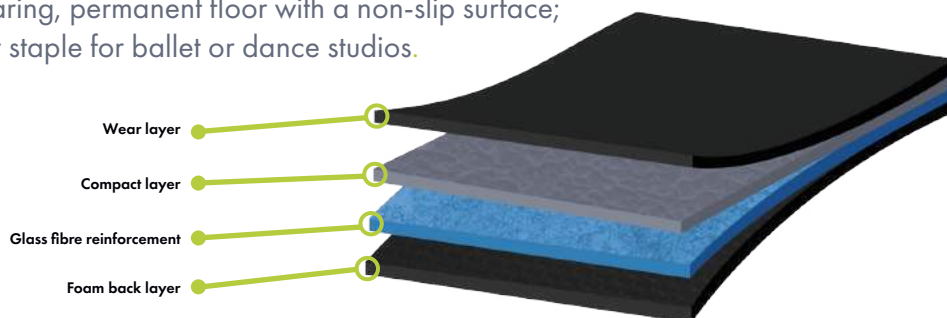
Joel Dance



JD001 JD002

	Approx Roll Length: 20m / 66ft		FR Rating: DFR
	Width: 200cm / 79"		FR Certification: EN13501-1, BS4790
	Weight: 3500 g/m²		Custom Dye N/A
	Thickness: 2.5mm		Colours Available

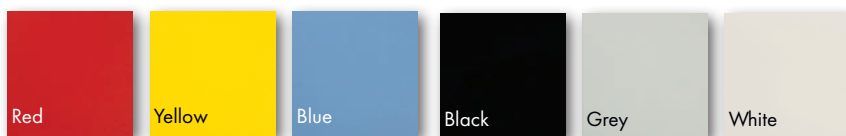
A hard wearing, permanent floor with a non-slip surface; the industry staple for ballet or dance studios.



*PLEASE NOTE this product is rolled face outwards

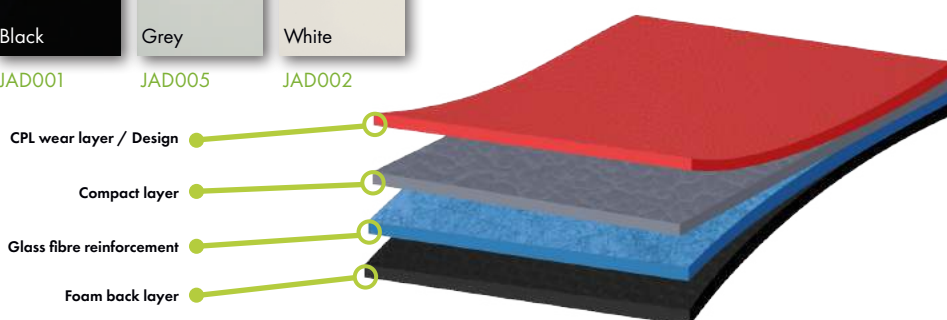
Joel Acoustic Dance

This heavy-duty flooring has a flexible cushion backing, and is ideal when sound insulation is required on stage or in a studio.



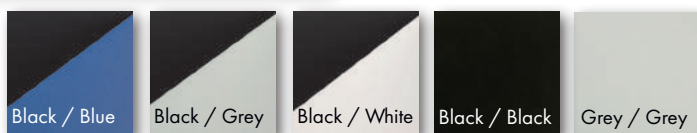
JAD003 JAD006 JAD004 JAD001 JAD005 JAD002

	Approx Roll Length: 25m / 82ft		FR Rating: DFR
	Width: 200cm / 79"		FR Certification: EN13501-1, BS4790
	Weight: 2200 g/m²		Custom Dye N/A
	Thickness: 3.2mm		Colours Available



*PLEASE NOTE this product is rolled face outwards

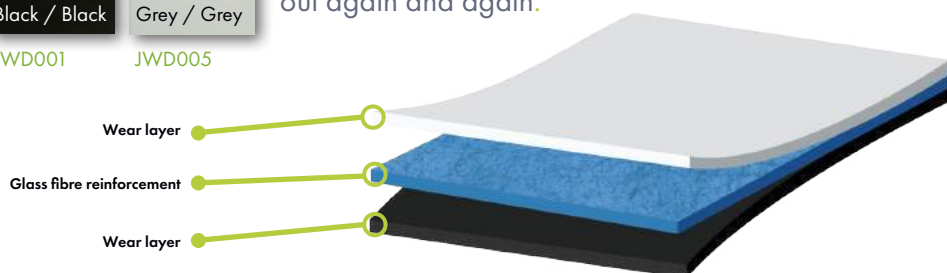
Joel Westend



JWD004 JWD002 JWD003 JWD001 JWD005

	Approx Roll Length: 20m / 66ft		FR Rating: DFR
	Width: 200cm / 79"		FR Certification: EN13501-1, BS4790
	Weight: 2100 g/m²		Custom Dye N/A
	Thickness: 1.7mm		Colours Available

A versatile reversible flooring, perfect for use as a loose lay covering for events as it can be rolled in and out again and again.

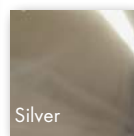


*PLEASE NOTE this product is double sided

Joelmat Mirror

Joelmat Mirror is a semi-permanent PVC based mat, with a reflective silver laminated top layer, sure to create a wow factor.

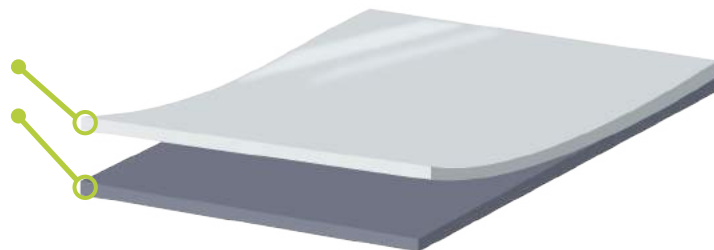
	Approx Roll Length: 25m / 82ft		FR Rating: DFR
	Width: 140cm / 55"		FR Certification: BS4790, EN13501-1
	Weight: 1500 g/m²		Custom Dye N/A
	Thickness: 1mm		Colour Available



MIR005

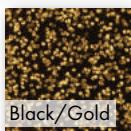
Decorative mirror layer

Vinyl Backing



*PLEASE NOTE this product is rolled face outwards

Glitter Gloss



JGG006



JGG003



JGG005



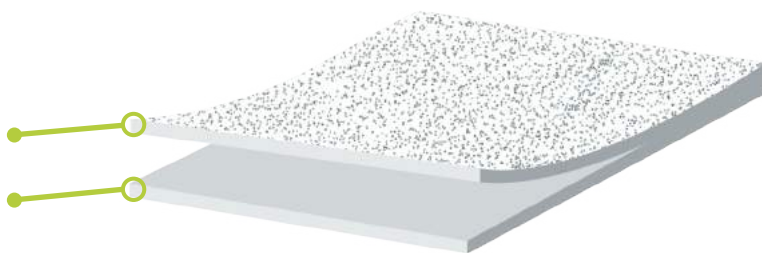
JGG002

A truly stunning floor covering with a dazzling glitter effect, that is brilliant for use in TV, theatre, catwalks/fashion shows and events for semi-permanent use.

	Approx Roll Length: 30m / 98ft		FR Rating: DFR
	Width: 150cm / 59"		FR Certification: EN13501-1
	Weight: 1600 g/m²		Custom Dye N/A
	Thickness: 1.2mm		Colours Available

Clear vinyl glitter

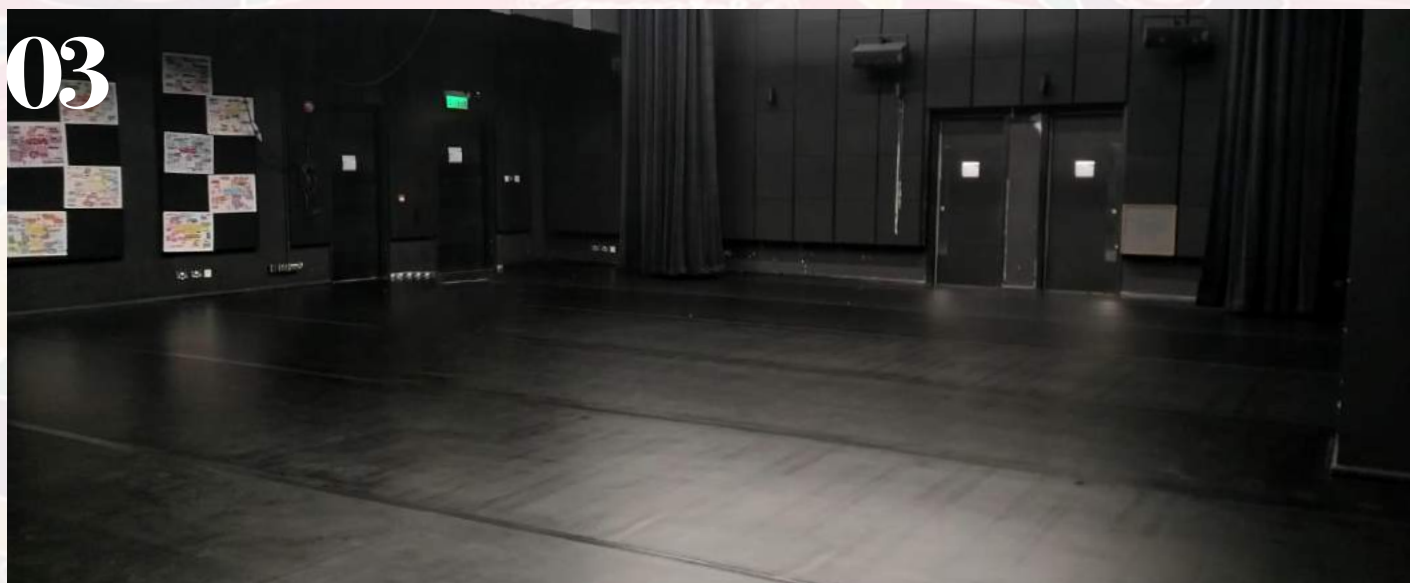
Vinyl backing



*PLEASE NOTE this product is rolled face outwards



The Voice Island - Joelmat Gloss (JGL002)



Independent Schools Foundation Academy, Hong Kong - Joelmat (JM008)

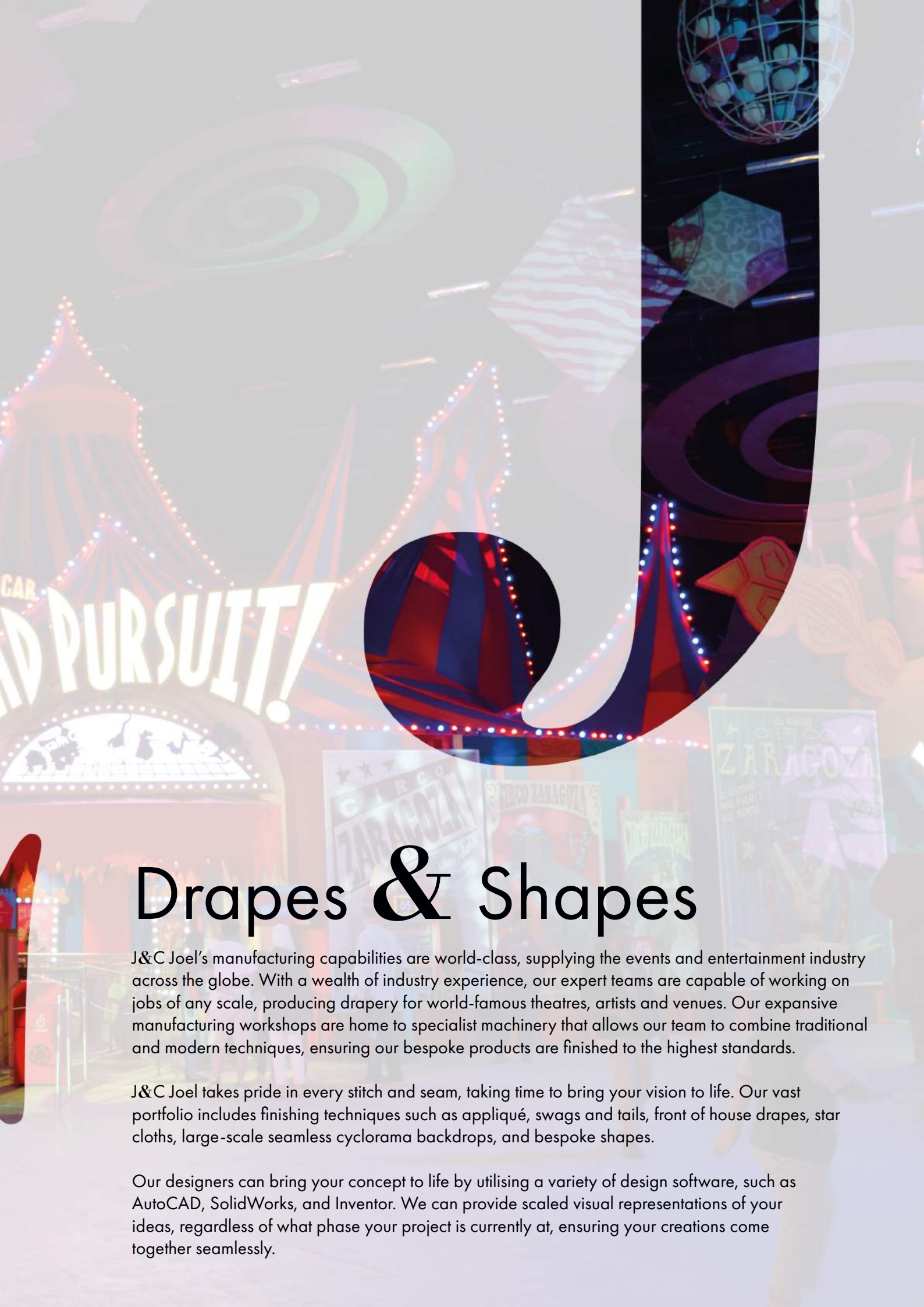
Showcase





T





Drapes & Shapes

J&C Joel's manufacturing capabilities are world-class, supplying the events and entertainment industry across the globe. With a wealth of industry experience, our expert teams are capable of working on jobs of any scale, producing drapery for world-famous theatres, artists and venues. Our expansive manufacturing workshops are home to specialist machinery that allows our team to combine traditional and modern techniques, ensuring our bespoke products are finished to the highest standards.

J&C Joel takes pride in every stitch and seam, taking time to bring your vision to life. Our vast portfolio includes finishing techniques such as appliqué, swags and tails, front of house drapes, star cloths, large-scale seamless cyclorama backdrops, and bespoke shapes.

Our designers can bring your concept to life by utilising a variety of design software, such as AutoCAD, SolidWorks, and Inventor. We can provide scaled visual representations of your ideas, regardless of what phase your project is currently at, ensuring your creations come together seamlessly.

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Manufacturing Capabilities

300+ combined years
of manufacturing
experience

9500
drapes, on average,
manufactured annually



Investment

We are proud to continually invest in team training and equipment to ensure our work is finished to the highest standards. We invest in and utilise modern and traditional machinery and techniques to bring your vision to life.



Made In Britain

We are proud to be a British manufacturer, specialising in bespoke drapery with the capacity to service the globe from our regional facilities.

3 manufacturing
facilities

89,918 sqft of manufacturing
space

1,930,000
metres of thread
used annually on average

Laser and Rotary Cutting



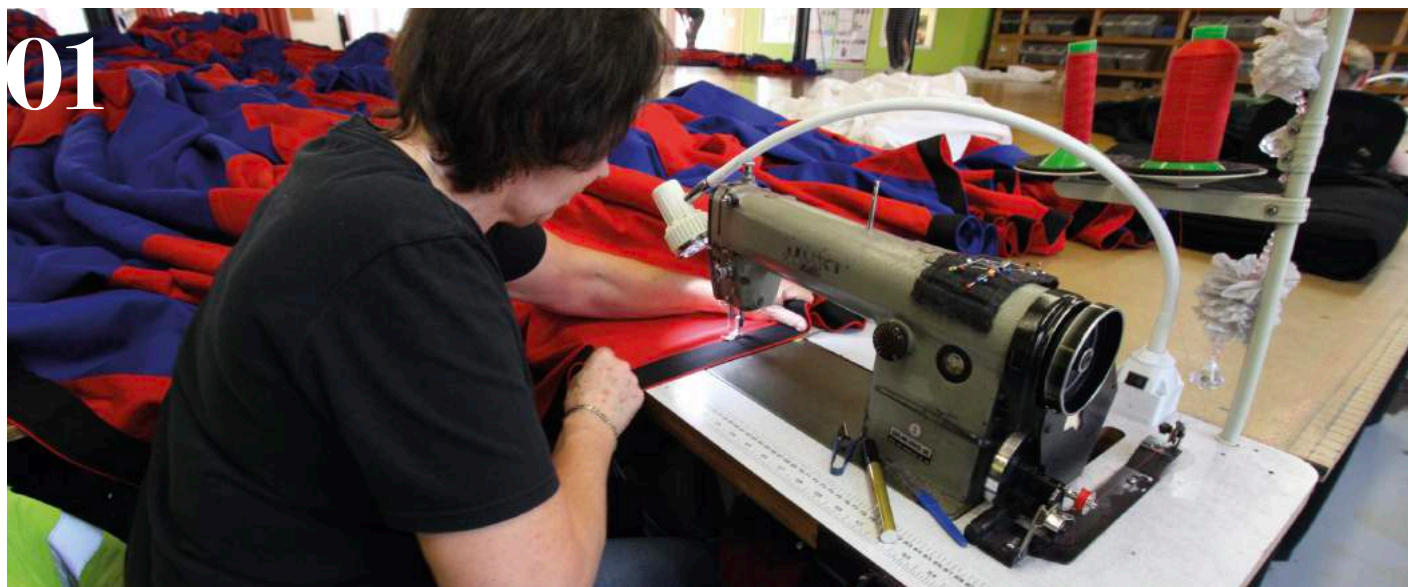
Intricate laser cutting and etching services available for any size project as well as digital rotary cutting services, providing an all-around bespoke service. No matter how detailed your design requirements are, J&C Joel can deliver consistent accuracy using state of the art technology.



Capacity

Due to our facilities globally, our team have the capacity to manufacture your orders around the clock. We are proud to go above and beyond to facilitate your needs.

**We have supplied
every theatre in
the West End**



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Buyer's Guide

Trust Our Experts

There are some key factors to consider when it comes to purchasing drapes. By reviewing some of our customers' frequently asked questions highlighted below in the buyer's guide, you can rest assured we are fully equipped to advise and fulfil your drapery needs.

Purpose

Understanding the purpose of your drapes and what you want to achieve will make it easier to create your desired look. Some things to consider:

Do the drapes need to block, diffuse or refract light?

Are you using your drapes to try and absorb sound, reduce sound transmission or let sound pass through?

Are you lighting or projecting onto your drapes? If so, it is important to consider whether the light source will be from in front or behind.

Are your drapes being used as masking on a stage, set or in a venue?

Do your drapes need to remain static or travel?

If they are moving, what direction, how fast, how often?

Location

Understanding where your drapes will be hung allows us to advise on the best fabrics and finishes. Some things to consider:

What type of venue? A school or university, theatre, office, public space, music venue, an arena etc.

Where will your drapes be hung? In front of a window, on a stage, against a wall, in the centre of the room etc.

Are the drapes visible from both sides? If so, we are able to offer face fabrics on both sides of the drape. This can be the same fabric or a different fabric.

Fullness & Finishing

Do you want your drapes to be sewn flat or with fullness? Adding fullness not only creates a more luxurious feel but, with certain fabrics, can also enhance the acoustic properties of your drapes.

If you require a specific finish, it is important to consider what your drape will be hung from. We are happy to advise on the appropriate finish that will work best for your hanging method, be it a bar, track or something else. See our finishes on page 172-173.

Flame Retardancy Certification

Let us know where in the world your drapes will be hung and we can advise on the relevant FR certification the drapes will need to meet. See page 10.

Taking your show on tour? We can advise on fabrics suitable for touring, which are covered by multiple FR standards, ensuring you are safe around the globe.

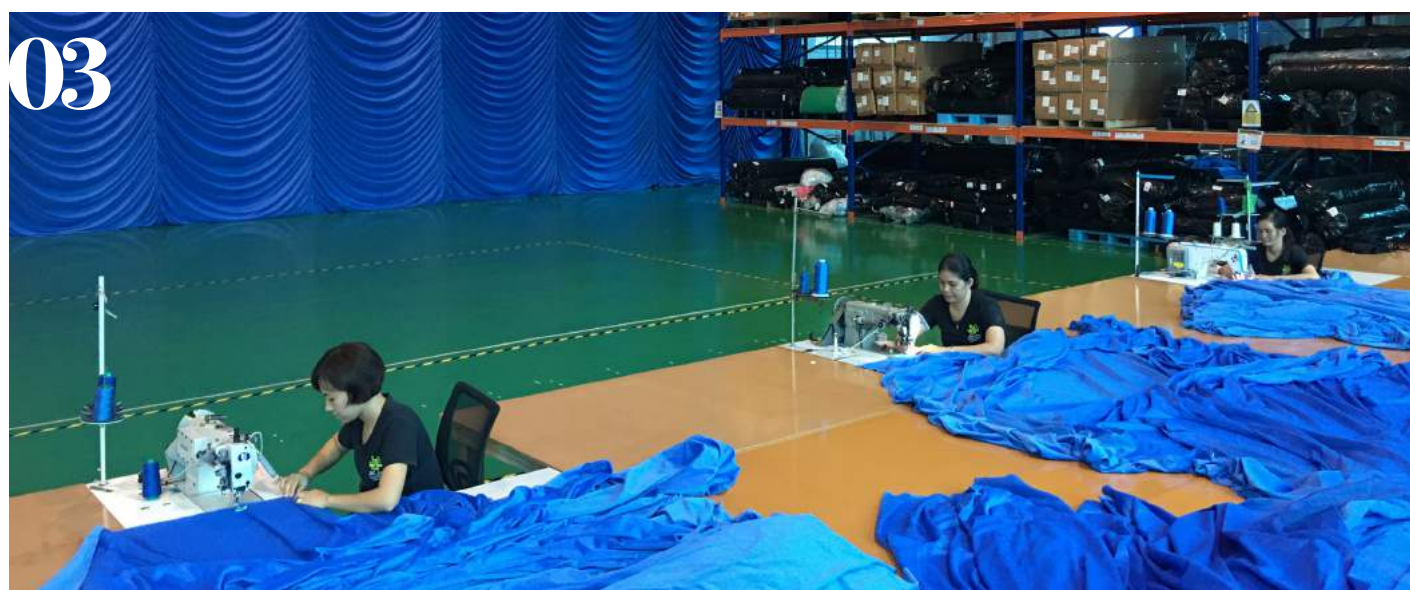
Drawings or Photographs

If you have existing drawings, photographs or visualisations of the area you are trying to dress, they are useful for helping our team visualise your space.

Our team can also visit your venue to measure up and discuss your needs on request.

Budget

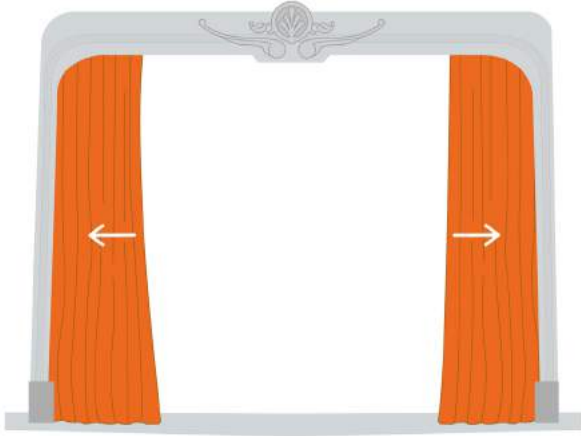
Relying on our knowledge of products, we can provide solutions that look fantastic without having to make sacrifices to your vision, whatever your budget.



01 - Manufacturing facilities, Dubai 02 - In-house manufacturing of drapery, UK 03 - Manufacturing facilities, Vietnam

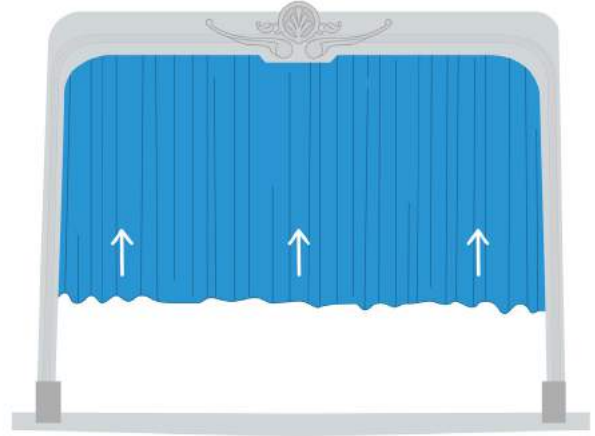
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Movement Types



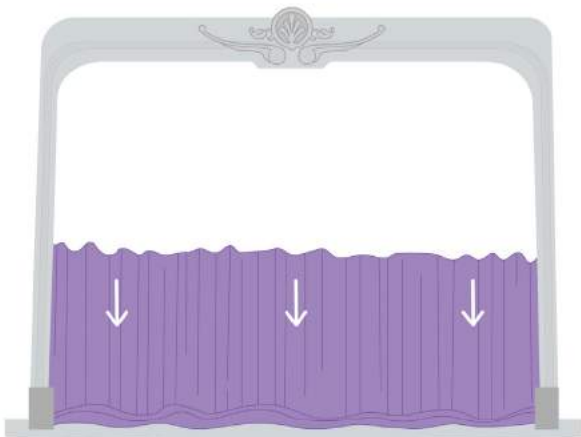
Traveller

Also referred to as a Greek Opening Traveller, drapes move horizontally typically bi-parting from the centre of the stage to stack in the offstage wings. This is the most common movement type for front of house drapes, but can be used in varying upstage positions to alter the depth of the stage and allow for scene changes to happen during a performance.



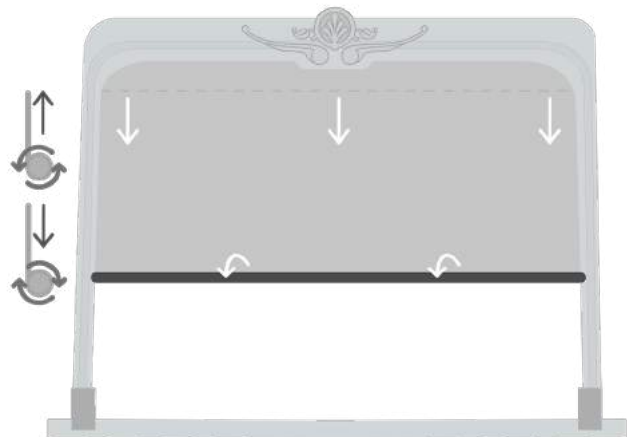
Guillotine

The drape(s) is attached to a fly bar, which is lifted vertically without altering the shape of the drape(s). Often split as an overlapping pair, which allows easy passage through the centre when they are in the lowered position. This method requires a fly tower of at least two times the height of the drape, allowing it to be raised out of sight without stacking.



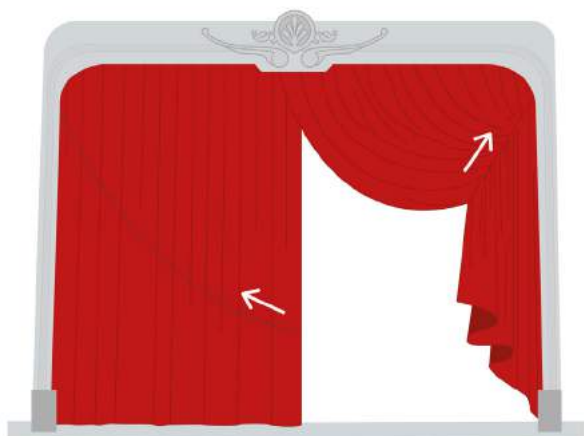
Kabuki

The drape is suspended from a mechanism that allows the full header to be released, dropping to the drape to the ground. The kabuki mechanism can be a rotating bar with hooks that, when rotated releases the drape, or a series of magnetic clamps or solenoids, which are simultaneously fired to release the drape. By adding a short piece of fabric or 'bag' sewn to the rear of the header, the kabuki effect can begin with the drape hidden from sight before being dropped in to view. At this point, the full header can be dropped; this is often known as a 'double drop'.



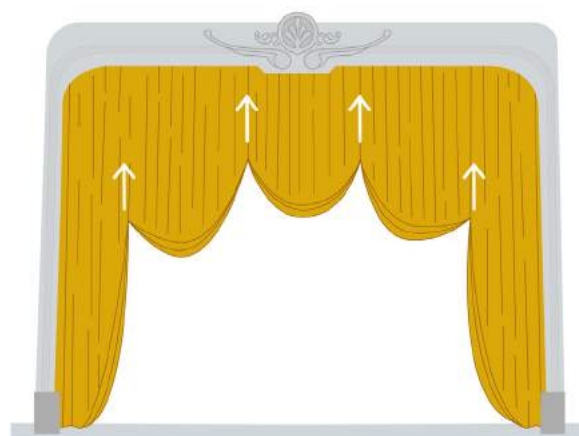
Tumbler

Most often used with a cyclorama cloth, digitally printed or painted backdrops on stages without a fly tower. A wide diameter bottom bar is rotated by steel cables or bands, away from the face of the fabric. This action winds the base of the fabric onto the roller, at the same time raising the bar and the visible surface of the drape upwards and out of sight.



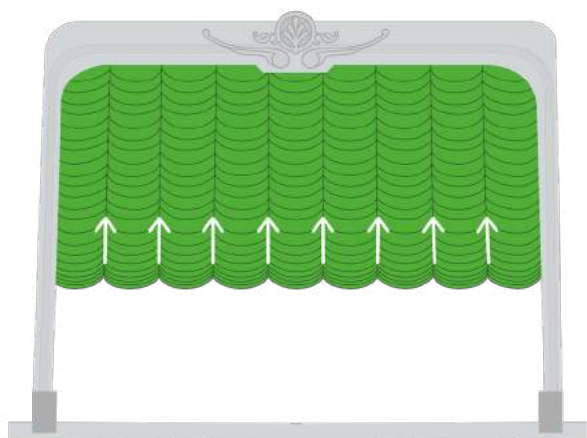
Tableau

The edge of the drape is pulled back into a swag by a lifting line which is threaded through D rings, these are sewn from the lower onstage edge to the upper offstage edge. This can be combined with Traveller or Guillotine movements for venues requiring a more flexible opening system.



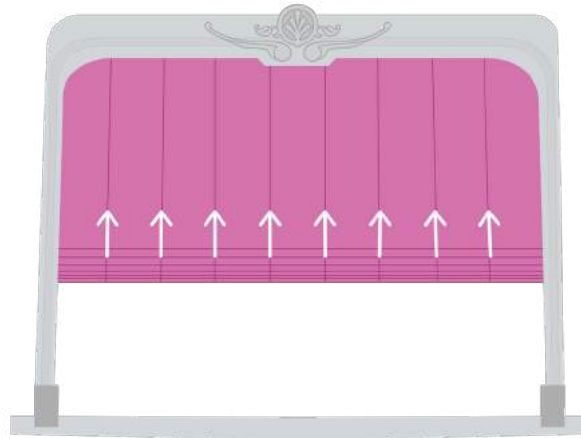
Venetian

This is a vertically pleated drape with multiple lift lines along the back that allow the base of the drape to be raised upwards. The header remains static as the lines cause the fabric to stack at the top of the drape. Each line can be operated in unison or individually, allowing the drape to be raised in different shape configurations. With a show control, the lift lines can be made to make the drape 'dance'.



Festoon / Austrian

Used with an Austrian drape, which has multiple swaged panels. The drape is vertically raised by multiple lifting lines, kept in place by way of vertical runs of d-rings on the rear of the drape in between each panel. The lifting lines are terminated to the base of the drape, via d-rings or a bar. As the lines move upwards, the drape stacks from the base. This movement is most often created by J&C Joel's truss mounted Festoon System or by way of multiple DMX controllable winches.



Festoon / Roman

Used with a Roman style drape, which is a flat drape with vertical lines of d-rings on the rear. The movement is identical to that of an Austrian with the drape collapsing from the base upwards, only this time in a concertina motion. Horizontal carbon fibre or wooden rods are often used to aid the concertina stacking. This effect can also be created with J&C Joel's truss mounted Festoon System or by way of multiple DMX controllable winches.

Alternatives

Other movement types and travel styles are available.

We enjoy a challenge at J&C Joel, if you have ideas you would like to explore, or would like more information, contact our sales team who will be happy to help.

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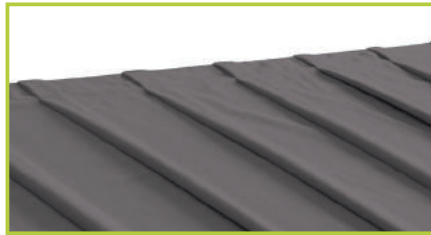
Fullness

The fullness of a drape, refers to the amount of fabric used during manufacture in order to produce a pleated finish. Examples of this are shown below along with diagram to explain fabric usage.



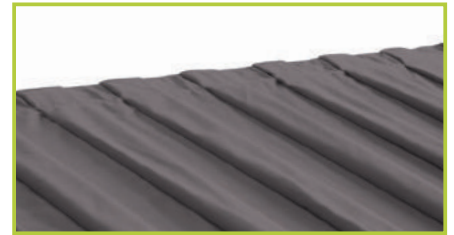
Flat

Flat fabric is sewn at the finished size.



50% Fullness

For a 10m wide drape with 50% fullness, the unpleated size of the fabric would measure 15m.

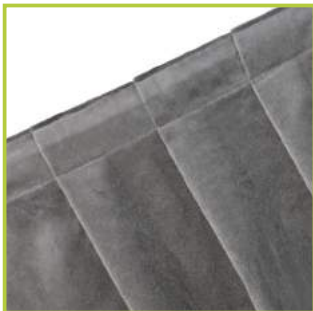


100% Fullness

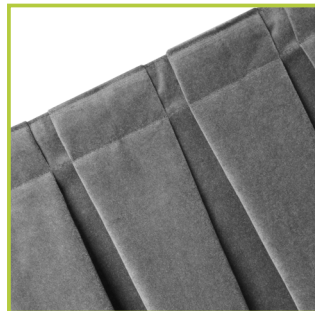
For a 10m wide drape with 100% fullness, the unpleated size of the drape would measure 20m.

Pleats

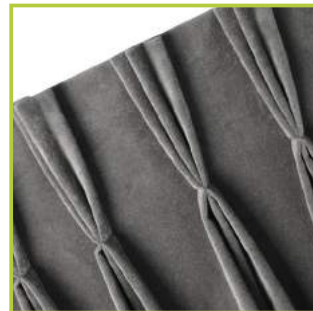
At J&C Joel, we manufacture all our drapes with knife pleats as standard. Other pleats are available on request.



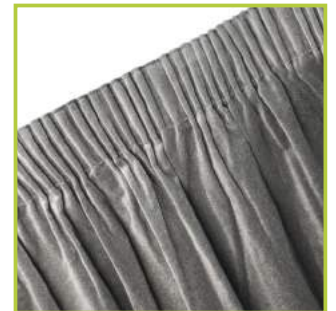
Knife Pleat



Box Pleat



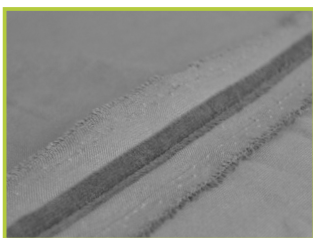
Pinch Pleat



Pencil Pleat

Seams

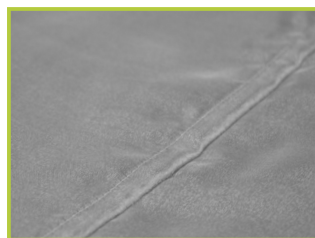
At J&C Joel, we manufacture all our drapes with standard seams as standard. Other seams are available on request.



Rear Fabric

Standard Seam

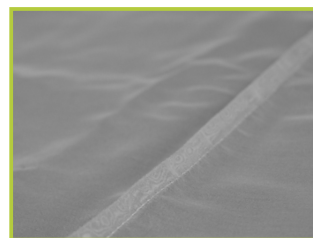
The simplest method of joining two pieces of fabric together. A single stitch line is used and the two raw edges are at the back of the drape.



Rear Fabric

Felled Seam

This method produces the strongest join, with two parallel stitch lines holding together overlapped folds of fabric. It is also has no raw edges visible.



Rear Fabric

French Seam

Useful on lighter more decorative fabrics, this technique neatly hides the raw edges at the rear of the drape, but with no impact on the sewing lines visible on the face.



Rear Fabric

Overlocked Seam

An overlock stitch sews over the edge of a piece of fabric to prevent fraying, and if required join two pieces of fabric together neatly. It uses loopers fed by multiple threads.

Linings

We offer a variety of options from an unlined face fabric to a double layered edge-to-edge drape. Drapes can be finished to meet your specifications and budget, for advice speak to our sales team.



Unlined

Unlined drapes are manufactured from a single layer of fabric. The backing of the fabric and the seams are visible from the rear side of the drape.



Lined

Linings hide the rear side of the drape. Lined drapes can be made from any fabric including blackout linings, or the same fabric as the main drape. It is typically sewn underneath the header, at the top and the turnbacks at the sides. At the base, it can be sewn under the hem, be left loose, or attached at regular interval typically at the seams.



Back to Back

Ideal for when the drape is seen from both sides. Two drapes made separately and joined back to back at the header and sides. The attachment method can be sewn to the face or rear of the drape, or between the two layers. The drapes can be made from the same fabric or with different fabrics on each side.



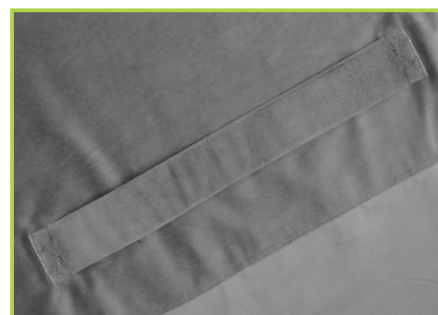
Interlined

Extra layers of fabric can be added between the face and the lining to enhance acoustic/thermal properties.



Turn Back

Full or half width turn backs are designed to give the impression that the two sides of the drapes are from the same fabric, hiding the rear side of the fabric or any lining when the curtain moves during opening/closing. Using a full or half width reduces the number of seams visible on the face.



Paging Handles

Paging handles are reinforced handles that match the face fabric to allow the lower corners of the on stage edges of the house drapes to be drawn back manually. They are typically attached the rear side of the leading edges, set slightly around 1m up.

Swagged Curtains & Valances

As well as our standard drapes, sewn flat or with fullness, our team can also manufacture a variety of swag styles, which can be incorporated into your front of house pelmet or valance. This offers detail to boxes, windows and other areas within your venue.



Austrian Swag

The pleats in an Austrian swag run vertically down the drapes, parallel to each other.



Scallop Swag

A standard Scallop has concentric arcs of pleats radiating from the central point at the top of the swag to its base.



Point-to-Point Swag

The pleats in a point-to-point swag fan out from each corner and meet in the centre at the bottom of the drape.

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Finishes

Our Sales team are always happy to discuss your needs and ensure the drapes suit your requirement as other colours and sizes of accessories are available. The standard spacing between hooks, eyelets and ties is 300mm.



Golf Bag Hook

Suitable for a runner with an internal diameter of $\geq 10\text{mm}$.
Top of hook set 10mm down from top of drape.

Tab Hook

25mm x 55mm (WxH).
Set down from the header by 25mm. Hook position sat above top of drape by 30mm.

S Hook (Twin Hook)

25mm x 65mm x 10mm (WxHxD).
Set down from the header by 25mm. Hook position sat above top of drape by 30mm.



Standard Eyelet (& Tie)

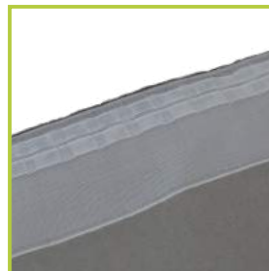
15mm (Int diameter) 28mm (Ext diameter).
Centre of eyelet set down from the header by 25mm. Other sizes and finishes are available. Black or white ties, optional.

Standard Ties

900mm x 25mm.
As standard, our ties are sewn into the top and bottom of the webbing. A colour contrasted tie is sewn to mark the centre.

Alternative Ties

900mm x 25mm.
Ties are sewn under webbing every 300mm. A colour contrasted tie is sewn to mark the centre.



Rufflette Hook

11mm x 25mm (WxH).
Spaced every 100mm (every 4th space) on centre point of Rufflette tape.

Wave Tape

A specialist webbing and precisely placed hooks create uniform 'waves' when used with specific track systems. For more details please see page 174.

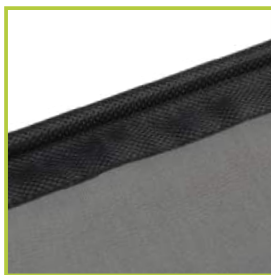
Tacking Tape

50mm webbing stitched at the top only, to allow for tacking to a surface.



Modacrylic Webbing

50mm modacrylic webbing is used as standard, however J&C Joel have an array of different colours, material types and finishes available to suit any project.



Keder

50mm modacrylic webbing is used as which allows a fabric panel to connect to a frame, made from a you are unsure.



Turnback

As standard, a turnback is 75mm on a lined or self-lined drape.



Magnets (Nickel Plated)

22mm x 11mm sewn hem with 2.2kg pull. Other sizes and strengths available, these can be placed in the drape as per customer request.



Metal D Ring

35mm x 30mm x 5mm (WxHxD).
Sewn onto webbing and spaced 300mm.
Centre point is 25mm from edge of drape.



Spot Hook & Loop

20mm x 150mm (WxL).
Strips are placed every 610mm.



Continuous Hook & Loop

50mm (W).
If used as a header, loop fastener is sewn onto the fabric and hook is provided separately.



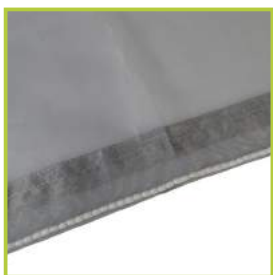
Pocket

Open ended pocket along the base to allow conduit/weight to be added.
Different pocket sizes available on request.



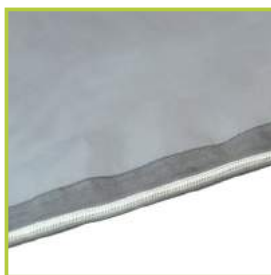
Skirt

Added material to base hem to prevent light leakage.



Lead Tape

100 gsm Lead weights wrapped in cotton to weigh the hem down.
Alternative weights available.



Rope Lead Tape

150 gsm Lead weights wrapped in rope, used to weigh the hem down.
Alternative weights available.



Chain Base

226 gsm galvanised chain placed in a canvas pocket and sewn into the hem on a drape. Alternative weights available.

Silent Gliss Wave Curtain Heading

J&C Joel endeavour to keep up to date with the latest industry trends and we are now able to offer Silent Gliss Wave headed drapes. Below are some of the questions we are regularly asked but if there is anything we have not covered then please get in touch with our Sales team.

What is Wave?

Wave is a way of heading up a curtain to ensure uniform 'pleats', or waves, similar to the look of an eyeletted curtain but using a curtain track as opposed to a curtain pole. Unlike eyelet curtains, the unique cord contained within the tracks prevents the curtain from flattening, maintain the wave shape even when the curtains are closed.



Why chose Wave?

Wave offers a uniform, minimalistic, contemporary aesthetic which complements both traditional and modern interiors.

It also offers the advantage of reduced stacking when open.

Wave Options

Silent Gliss Wave is available in two options, 80mm and 60mm.



80mm Wave 60mm Wave 80mm Wave 60mm Wave

This distance refers to the spacings between the track gliders with the 80mm option offering a deeper wave and smaller stack, and the 60mm offering a shallower wave, ideal for areas with a smaller recess or when layering curtains.

Fullness

Wave headed drapes typically have either 110% (2.1) and 130% (2.3) fullness. This is important to know if you wish to provide your own fabric.

Tracks

We recommend Silent Gliss tracks to achieve the best Wave result. There are a number of hand, cord and electrically operated tracks that are compatible with Wave header.

Our Sales team will be able to advise you on the most suitable track for your needs.

Fabrics

Wave header works best with our light to medium weight fabrics found in our Decorative & Display and Sheers, Silks & Satins sections, as well as our Lining fabrics.

We are also able to use customer own fabrics if required, subject to receipt of a sample to ensure suitability.

Information Required

Our Sales team will be able to take you through the information they require in order to properly quote your drapes. However, below is a non-exhaustive list of the information we will need:

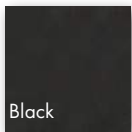
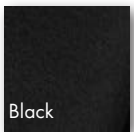
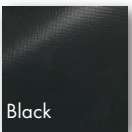
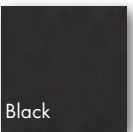
- Width of the area the track will fit within;
- Do you want the track to be manual, corded or motorised?;
- Is the track to be wall or ceiling mounted?;
- Depth of area where the track will be installed
 - due to depth of the waves, between 50mm
 - 80mm will be required behind the drape to allow it to properly stack;
- Drop from floor to ceiling;
- Desired fabric.

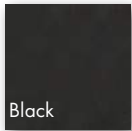
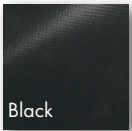
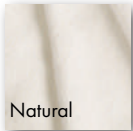
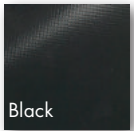
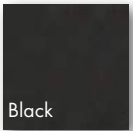
Multi-Layer Drapes

These are designed to be used as soft partitions within larger spaces. This helps to acoustically insulate these smaller spaces giving more flexibility of use to offices, showrooms, stages, studios, and other performance spaces. We have produced a wide variety of these drapes, typically they consist of a flat multi-layered interlining manufactured from a combination of materials, designed to block and absorb sound. Attached to each side are outer layer drapes, these can be decorative, absorb sound or both. We have given examples below of two popular combinations, but we can advise the best match for your particular usage and budget.

The performance of these drapes are measured in decibel reduction. We have a range of decibel reduction tests on file, but we would be willing to discuss further testing for larger projects or popular fabric combinations.

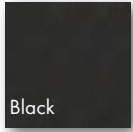
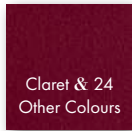
Standard Combinations

	+		+		+		=	13 dB
Black		Black		Black		Black		reduction
Wool Serge 565 (50% Fullness)		Acoustic Molton (Flat)		PVC Coated Fabric (Flat)		Wool Serge 565 (50% Fullness)		* Test pending

	+		+		+		+		=	18 dB
Black		Black		Natural		Black		Black		reduction
Wool Serge 565 (50% Fullness)		PVC Coated Fabric (Flat)		Acoustic Molton (Flat)		PVC Coated Fabric (Flat)		Wool Serge 565 (50% Fullness)		

Common Outerlayers

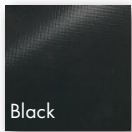
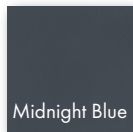
Outer layers are generally sewn pleated.

Coloured Wool Serge	Wool Serge 565	Queen Velvet	Sowerby Velvet
			
500 g/m ²	565 g/m ²	565 g/m ²	550 g/m ²
	Black	Wine & 7 Other Colours	Plum & 9 Other Colours
Diamond Satin	Polyester Trevira CS Satin	Mercury	
			
80 g/m ²	White	Claret & 24 Other Colours	
	110 g/m ²	255 g/m ²	

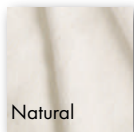
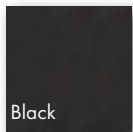
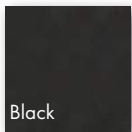
Common Interlayers

Interlayers are generally sewn flat.

'Sound Blockers'

PVC 300	PVC Projection Screen
	
Black	Midnight Blue
610 g/m ²	500 g/m ²

'Sound Absorbers'

Heavy Cotton Bump	Wool Serge 1000	Wool Serge 565	Acoustic Molton
			
Natural	Black	Black	Black
410 g/m ²	1000 g/m ²	565 g/m ²	500 g/m ²

Alternatives

Other finishing techniques are available.

For more information or to request a solution not listed in our finishes, please contact our sales team who will be happy to discuss your needs.



Decorative Finishing

We offer a wide range of standard and custom embellishments to adorn your drapes.

We can provide a wide range of fringing options from grand scale bullion that can be fully customised to simpler synthetic designs. We are fortunate to have designed and manufactured some truly unique creations for some of the worlds most prestigious venues. In addition, we are able to offer both standard and custom braid, rosettes, tassels, rope and tie backs to add a touch of class and personality to your drapes.

Our design capabilities allow us to adjust almost every aspect of your embellishments, which opens up numerous options. Our skilled sales team will assist in focussing your design to ensure it works with the aesthetics of your venue.







Appliqué, Embroidery & Etching

We are one of the few remaining companies able to offer hand-crafted appliqué, allowing us to adorn your drapes with images or lettering of your choice. With years of expertise in selecting fabrics and colour combinations, we can bring your ideas to life. Our team of experts are able to achieve an unparalleled degree of accuracy by fusing traditional techniques with more modern applications.

We are also able to make your drapes stand out with the addition of embroidery. Whether it's a small-scale intricate logo or something on a grander scale, we are able to accommodate your specifications.

We have recently improved our offering with the exciting addition of state-of-the-art technology, allowing us to offer services such as laser cutting and etching. Please contact a member of our sales team for more information.



Pelmets

Our team of specialists are able to replicate any existing pelmets and finishes or design something new, to ensure that your pelmet works with your venues, drapes and colour schemes. In your auditorium, we work with you to design and finish each element regardless of its complexity.

Depending on the size of your proscenium and structure of your theatre, the pelmet may need to be manufactured and mounted to a framework. We have expertise and experience to manufacture frames, specifically designed for your space to work with the fabric and ensure the longevity of your pelmet. These can be constructed from timber, aluminium or steel section dependant on your design.



01 - Palace Theatre, Manchester - Pelmet with Appliqué, Braiding, Rope, Tassels & Bullion Fringing
 02 - Mayflower Theatre Southampton - Pelmet Framework 03 - Royal Court Theatre, Liverpool - Pelmet with Appliqué & Tassels

182 Specialist Drapery

Our expert team can work with you and your creative team to bring your vision to life.

Our Offering

Our vastly experienced Specialist Drapery team is dedicated to the design, production, delivery, and installation of complex, high profile, design-led and/or large drapery packages.

Feasibility

Often the feasibility of a project is self-evident, but from time to time a more detailed assessment is required. Taking a collaborative approach, our team will thoroughly analyse a project to ensure each element is deliverable and put forward alternative solutions if required.

Budget

Accurate budgeting is crucial for any project, our team provides detailed and accurate costings for a project, every step of the way. We encourage our clients to engage with us early to ensure accurate and realistic budgets are set.

Design Services

Our expert team has a wealth of practical design experience and can work with you to bring your vision to life whilst ensuring the result meets your requirements.

By adapting your ideas into 2D, 3D AutoCAD and other 3D rendering software, our team can accurately model your drapes to ensure the result will integrate with other elements of the venue, set or show.

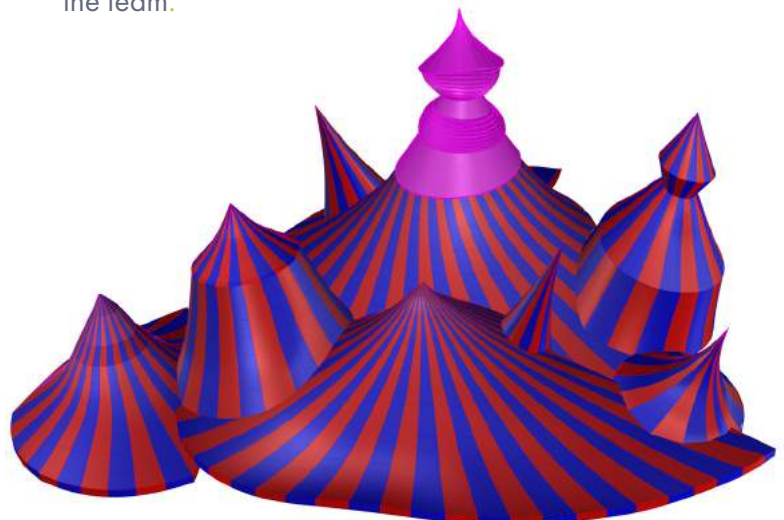
Sampling and Prototyping

We understand the need to test elements of a proposed design before production. From a simple A4 piece of fabric to a larger sample for colour matching, projection, lighting tests or full-scale prototypes; our team can design a sample suitable for the project.

Installation & Project Management

At J&C Joel, we believe in a holistic approach. We offer a full installation service led by our knowledgeable project managers whose experience range from theatrical production management, set construction, global ceremonies and everything in between.

For more information please speak to a member of the team.



Motiongate™ Dubai Parks and Resorts 3D render



01 - English National Opera - Merry Widow - Countess ([VEL012](#))

02 - Hayward Gallery - Kiss My Genders Exhibition - Poly Silk ([PT035](#)) 03 - The Wyld - Friedrichstadt-Palast Berlin - Laser Gauze ([LG001](#))



Acoustic Solutions

The use of drapes, banners, shells and baffles are a highly effective way to control and enhance the acoustics of any venue by managing noise reverberation in a space.

From the world's largest concert venues to small school halls our expert team can work with you to design, manufacture and install a system from our wide range of acoustic solutions to improve the acoustics within your performance space.

Our solutions come complete with technical data, including acoustic test reports on fabrics for all of our banner solutions. All our banner mechanisms follow our rigorous quality procedures and are CE marked.



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Motorised Banners

Cadenza (Single Layer Banner)

The absorption is performed by a single layer of Bonded Wool Serge, designed with simplicity and practicality in mind, This is the most cost-effective layer banner in the range.

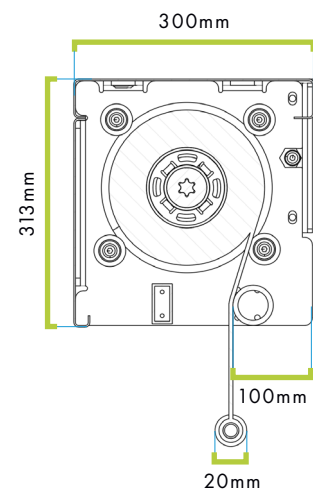
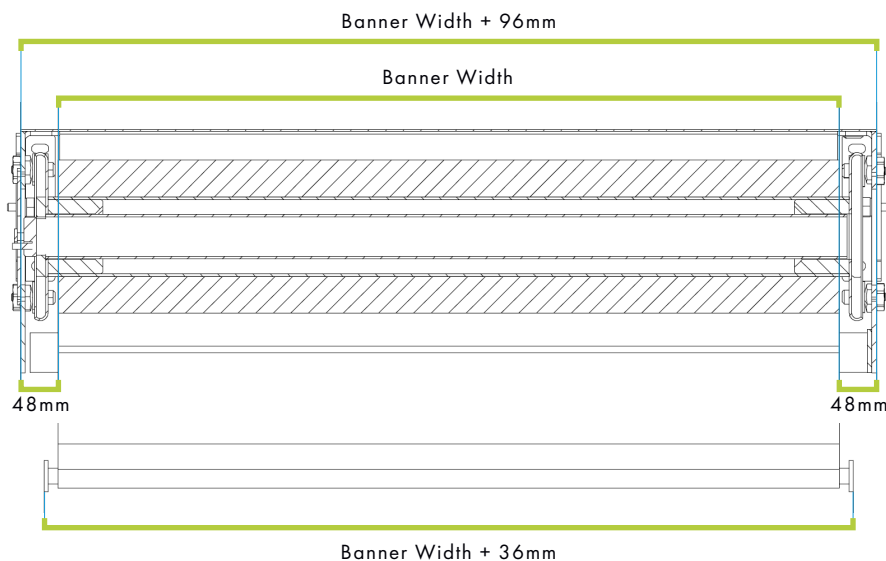
The Cadenza uses a motorised single roller, contained within a housing unit, with a single bottom bar inserted to the base of the fabric to keep it taut and straight.

*For use with Bonded Wool Serge, please see page 190.



* Shown Without Housing

Technical Data



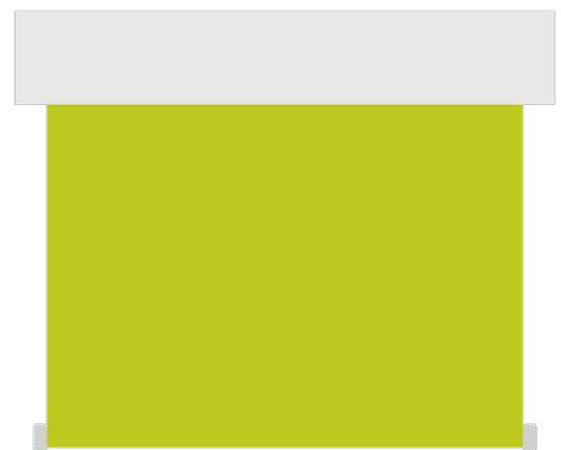
Class B EN ISO 11654:1997 (SAC)	NRC 0.75 ASTM C 423-01 (SAC)
Up to 6m wide	Drop up to 8m
Compliant with EN17206*	Single phase 240v



2D
Side View



2D
Front View



*Different design specifications available on request, including independently functioning brakes, encoders, load cells etc...

Legato (Double Layer Banner)

Performing in unison, two layers of Bonded Wool Serge enables the banner to give the user better acoustic absorption.

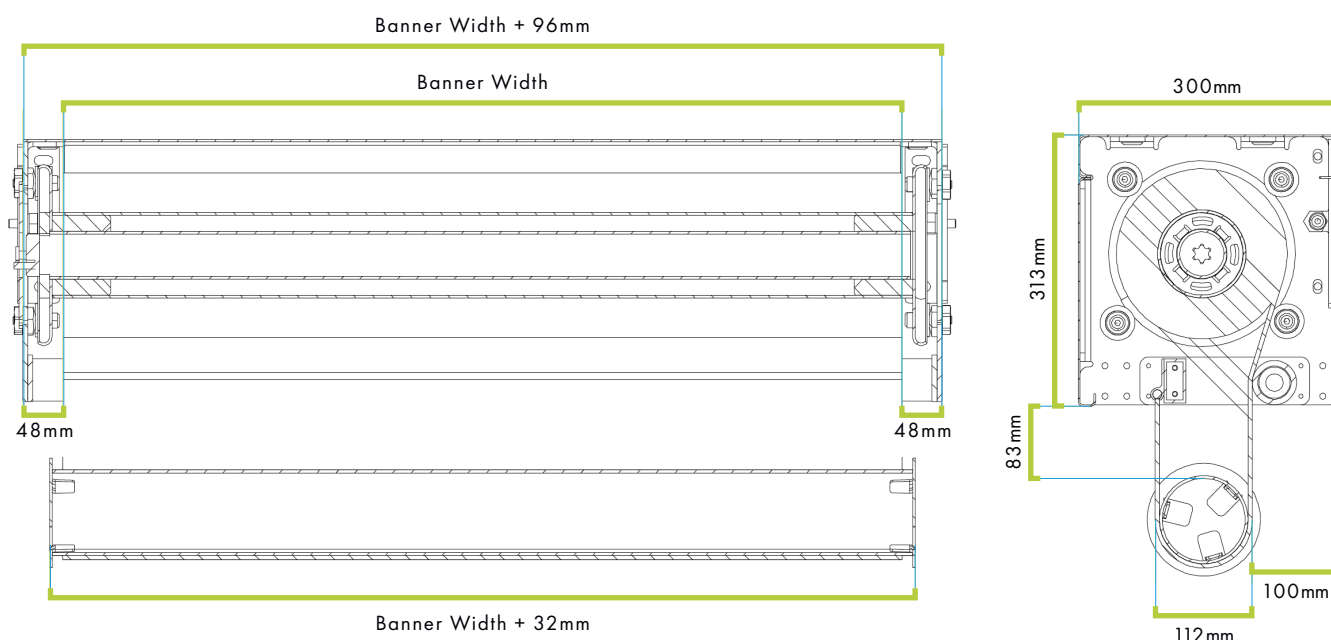
Legato has a single motorised roller attached to one end of the fabric, the other end is attached to the mechanism. A bar is located in the bottom loop between the two layers of fabric to create an air cavity.



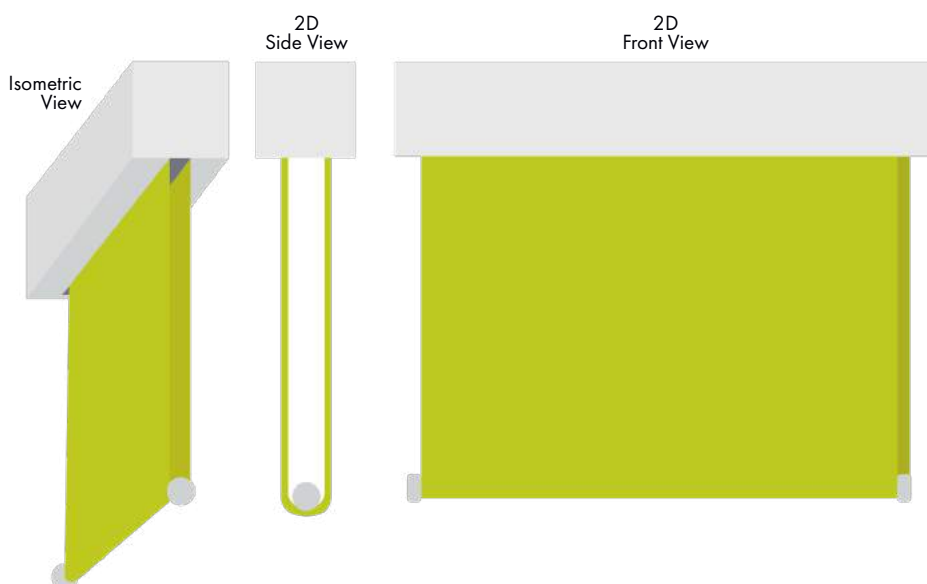
* Shown Without Housing

*For use with Bonded Wool Serge, please see page 190.

Technical Data



Class A EN ISO 11654:1997 (SAC)	NRC 0.90 ASTM C 423-01 (SAC)
Up to 6m wide	Drop up to 4m
Compliant with EN17206*	Single phase 240v



*Different design specifications available on request, including independently functioning brakes, encoders, load cells etc...

Duet (Variable Layer Banner)

On our Duet banners, two independent motorised rollers are used to deploy two layers of fabric.

They can operate in unison, as a replacement for the Legato, when a longer drop is required. Or they can operate independently to allow even finer tuning of the acoustic absorbency.

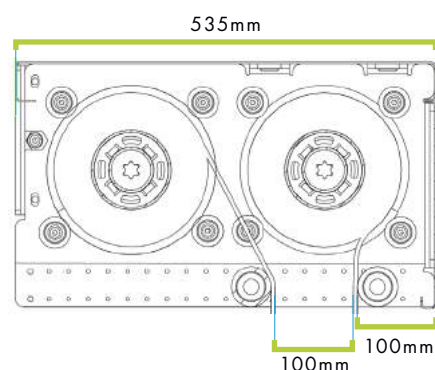
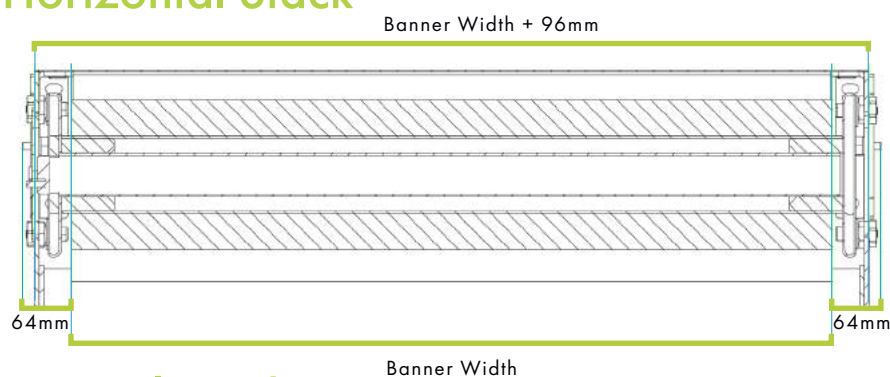


*Shown Without Housing

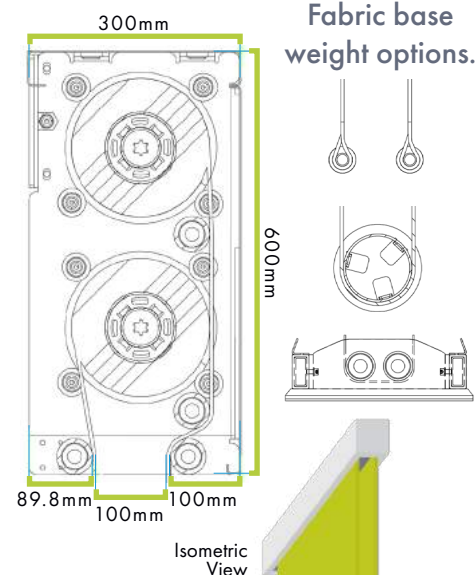
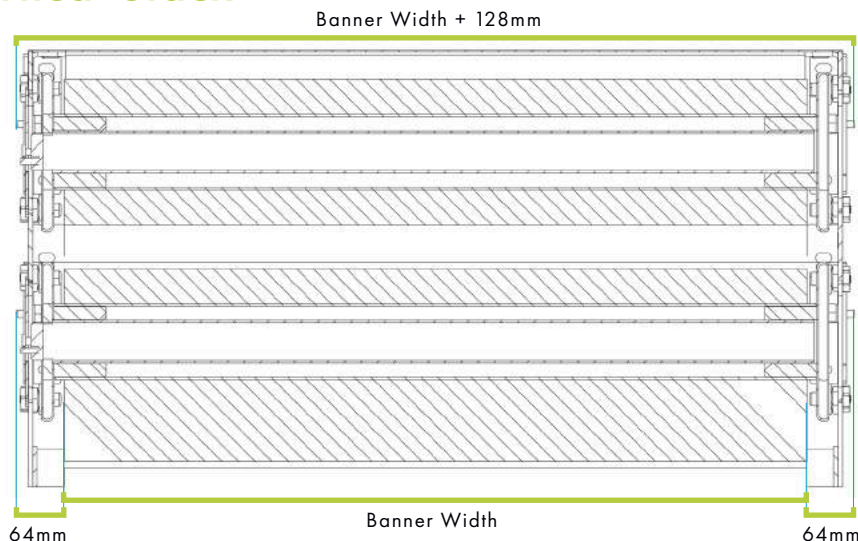
Each layer of fabric can have its own smaller weighted bar at the base, similar to a Cadenza or have a larger base tube similar to a Legato. Alternatively, if the layers are synchronised, they can attach to a flat panel that would be raised with the fabric to conceal the banner within a ceiling void.

*For use with Bonded Wool Serge, please see page 190.

Horizontal Stack



Vertical Stack



Class A EN ISO 11654:1997 (SAC)	NRC 1.00 ASTM C 423-01 (SAC)
Up to 6m wide	Drop up to 8m
Compliant with EN17206*	Single phase 240v

2D
Side View

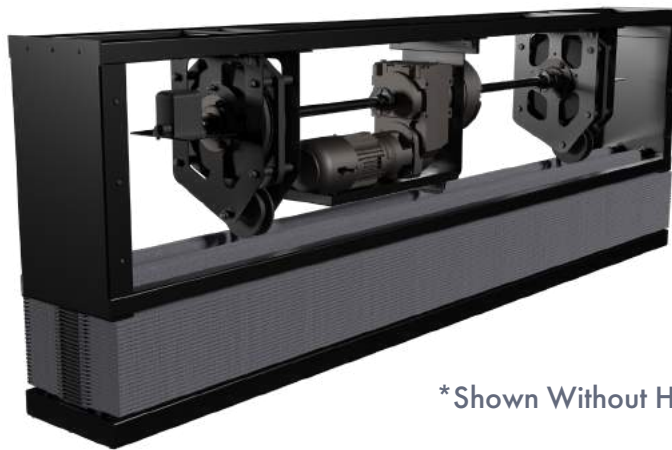
2D
Front View

Isometric
View

*Different design specifications available on request, including independently functioning brakes, encoders, load cells etc...

Concerto (Concertina Banner)

The preferred option when large scale acoustic absorption performance is required. The absorption is achieved by two layers of Tay Wool Serge, or Pressed Wool Serge, held together at regular intervals by horizontal slats. These keep the air gap between the layers constant and help the fabric stack neatly as it is raised.

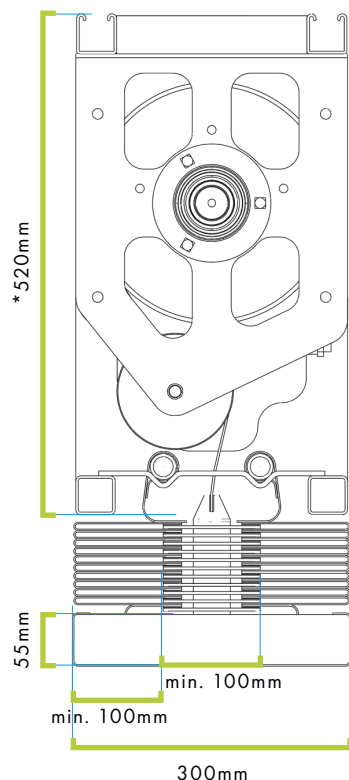


*Shown Without Housing

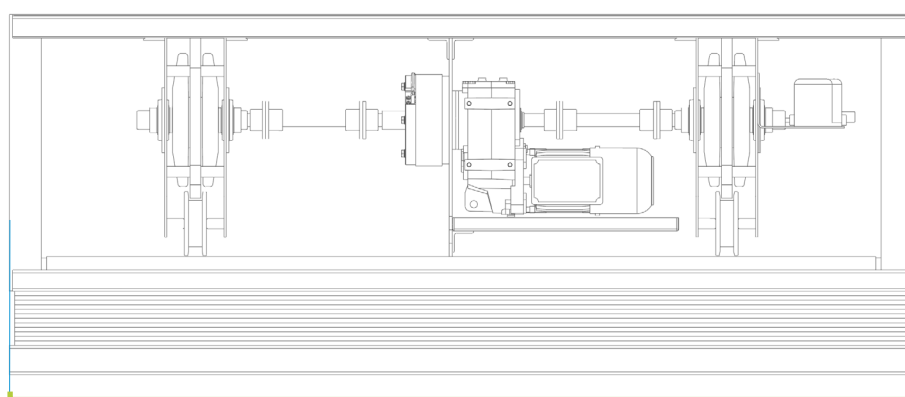
Concerto is a modular system, which enables us to design banners with a width and drop of over 10m. The base of the mechanism can be customised according to the venue's architecture and serves to support the folds of the material.

*For use with Tay Wool Serge & Pressed Wool Serge, please see page 190.

Technical Data



*Typical height for mechanism housing based on standard design, may vary for specific design requirements.



*2000mm - 5000mm

*Width of Concerto banners can be customised according to the building design and acoustic performance requirements. The number and spacing of drop pulleys will vary accordingly.

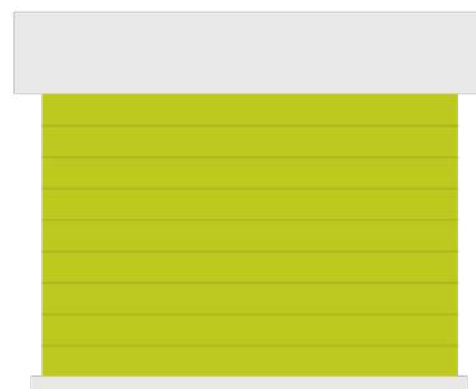
Isometric View



2D Side View



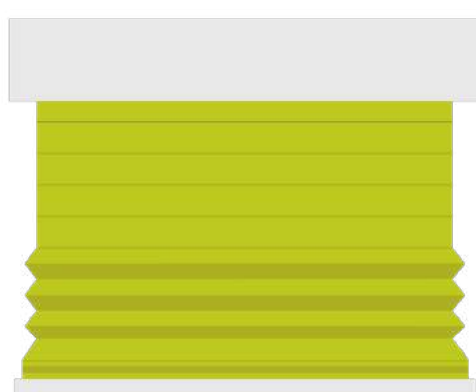
2D Front View



2D Side View Retracting



2D Front View Retracting



Class A
EN ISO 11654:1997
(SAC)

NRC 0.95
ASTM C 423-01
(SAC)

Variable Width

Drop 10m+

EN17206 compliant

3 Phase 380v

Motorised Banner Fabrics

Bonded Wool Serge is used on our roller banner systems to provide better acoustic absorption and a more stable structure. This is manufactured using a specialist adhesive to bind the fabric layers together. Please see below for our pallet of colours that can be combined.

For our Concerto Banners we recommend our specially developed Tay Wool Serge for the best quality, durability, aesthetics and acoustic performance. For more budget projects we can apply a special pressed finish to any of our Coloured Wool Serge fabrics (see below).

Bonded & Pressed Wool Serge



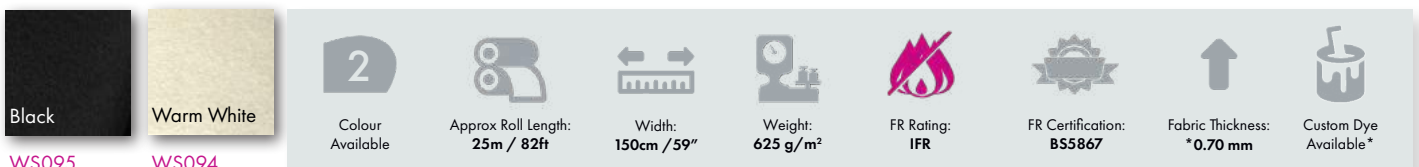
Colours Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 60"	Weight: Varies*	Fire Rating: IFR	Fire Certification: BS5867, IMO	Custom Dye Available*

*WEIGHT typical weight of Pressed: 500g/m² & Bonded: 1100g/m² *CUSTOM DYE price on application, 4 wk lead time *BONDING 3 wk lead time *DYE & BOND 7 wk lead time *PRESSING 2 wk lead time

Tay Wool Serge



Our quality Serge made from virgin wool. Tay has a denser weave, from finer threads, this produces great acoustic absorbancy especially in the lower frequencies. It also drapes wonderfully with a soft luxurious handle.



Colour Available	Approx Roll Length: 25m / 82ft	Width: 150cm / 59"	Weight: 625 g/m ²	FR Rating: IFR	FR Certification: BS5867	Fabric Thickness: *0.70 mm	Custom Dye Available*

*FABRIC THICKNESS Measured in-house with digital callipers, not under laboratory conditions *CUSTOM DYE price on application, 4 wk lead time, MOQ 4 rolls

Control & Safety

We have several different control options that can be tailored to the performance requirements of any given install.

On the roller banners, the single-phase motors can be radio-controlled or hard-wired. Our control systems allow for the movement of individual banners or pre-programmed group configurations in line with the acoustic requirements of different performance types. User interfaces range from simple handheld control for a limited quantity of mechanisms and control options, to large touch screen control desks with graphic visualisation of banner positions. Positional control can be achieved by a restricted number of pre-set limits, or programmed to a greater number of positions within the % range of its travel. If required encoders can be fitted to allow movement to be measured and monitored in terms of distance travelled. The motors come with an electromagnetic disc brake as standard, an additional brake can be added to the output for safety if required.

Our Concerto banners typically come with a 3 phase single braked motor, and an additional brake on the output. They need to be controlled by a PLC based system. There is some flexibility of the user interface to suit different sizes and shapes of projects. Encoders can be added for positional readings. We can advise on control options to suit your budget and the level of sophistication required.

All our banner mechanisms are cycle tested, go through our rigorous quality procedures and comply with the Machinery Directive 2006/42/E.

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Alternative Solutions



Acoustic Drapes

Acoustic Drapes are a popular way of altering the acoustics within a space due to their practicality and cost-effectiveness. They are commonly used in a variety of venues to mask acoustically reflective surfaces, or as perimeter or dividing drapes.



Fixed Fabric Banners

Fixed Fabric Banners can hang in a loose, flowing fashion or be installed flush to the roof deck for a flat appearance. They help to reduce reverberation, whilst remaining visually and architecturally pleasing.



Acoustic Panels

An Acoustic Panel is typically composed of a framework, lined with Heavy Cotton Bump, faced with an absorbent fabric. Whilst being practical, they are also used for aesthetic purposes in a range of spaces.



Acoustic Baffles

Acoustic Baffles can be used as an absorptive sound barricade to reduce reverberation times and absorb sound. They are common in large open spaces with many hard surfaces.



Acoustic Shells

Acoustic Shells allow you to reflect the sound in your performance space. They can enclose the stage or be installed as auditorium ceiling panels. These panels can be raised, lowered or tilted to offer optimum sound projection.

GET IN TOUCH

For more information or advice on finding the best solution to suit your venue, please contact our sales team who will be happy to discuss your needs.





Stage Engineering & Maintenance Services

J&C Joel's engineering capabilities are renowned worldwide. We are known for our technical skill and ingenuity when it comes to supplying event and entertainment venues globally. There is no job too big or too small for our expert team of designers, project managers and engineers.

Our engineers are certified by LEEA and other recognised industry bodies. They also follow the latest industry safety standards on-site. We can also offer a maintenance service on all of our J&C Joel supplied products, as well as maintaining your existing installations. For further information please speak to our sales team.

J&C Joel's design services work in AutoCAD and Solidworks, enabling designs of all products to be drawn in 2D and 3D which can be incorporated into BIM models making your vision a reality.

Our sales team can provide acoustic solutions, custom theatrical rigging, manual or powered flying systems, stage mechanics and automation control. We combine industry experience with our expertise of the technology we produce and supply, ensuring you receive a solution tailored to your needs.

194 Manual Rigging

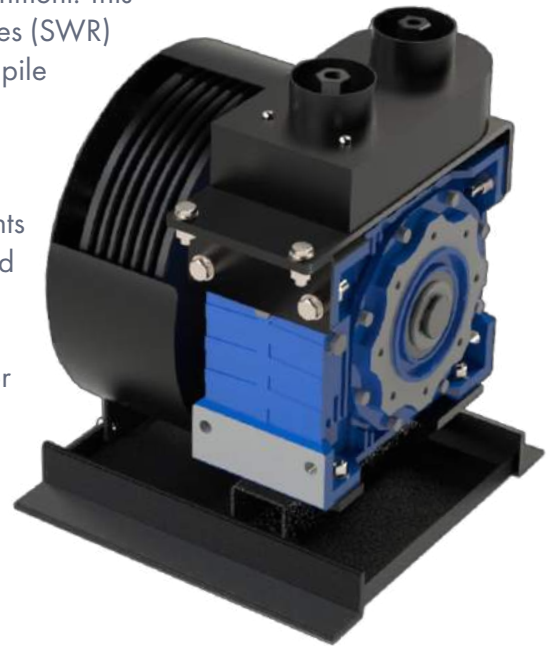
Manual Pilewind Winch

Manual Pilewind winches are a simple, cost-effective solution for the controlled vertical movement of scenery drapes and lighting bars, where the travel is less than 17m. They are geared to allow them to be powered by a crank handle, or by a low voltage drill typically with an M21 hex attachment. This then rotates a series of plates, between which individual steel wire ropes (SWR) are wound around a centralised shaft. As the SWR lines wind on, they pile on top of each previous layer, this will vary the speed of the cable movement, even when the input speed is constant.

The exact specification of the winch varies according to the requirements of its operation. This includes travel, capacity, lines and speed. The load is sustained by a high ratio gearbox that is statically irreversible.

Pilewinds can be wall or floor mounted and placed where the operator can easily access them, with the lines diverted via a loft mounted head pulley to the individual drop pulleys. The drop lines are generally terminated to a fly bar via rated clamps and wedge sockets.

J&C Joel also provides a range of Motorised Pilewind Winches. Please see page 200.



Cost-effective
solution

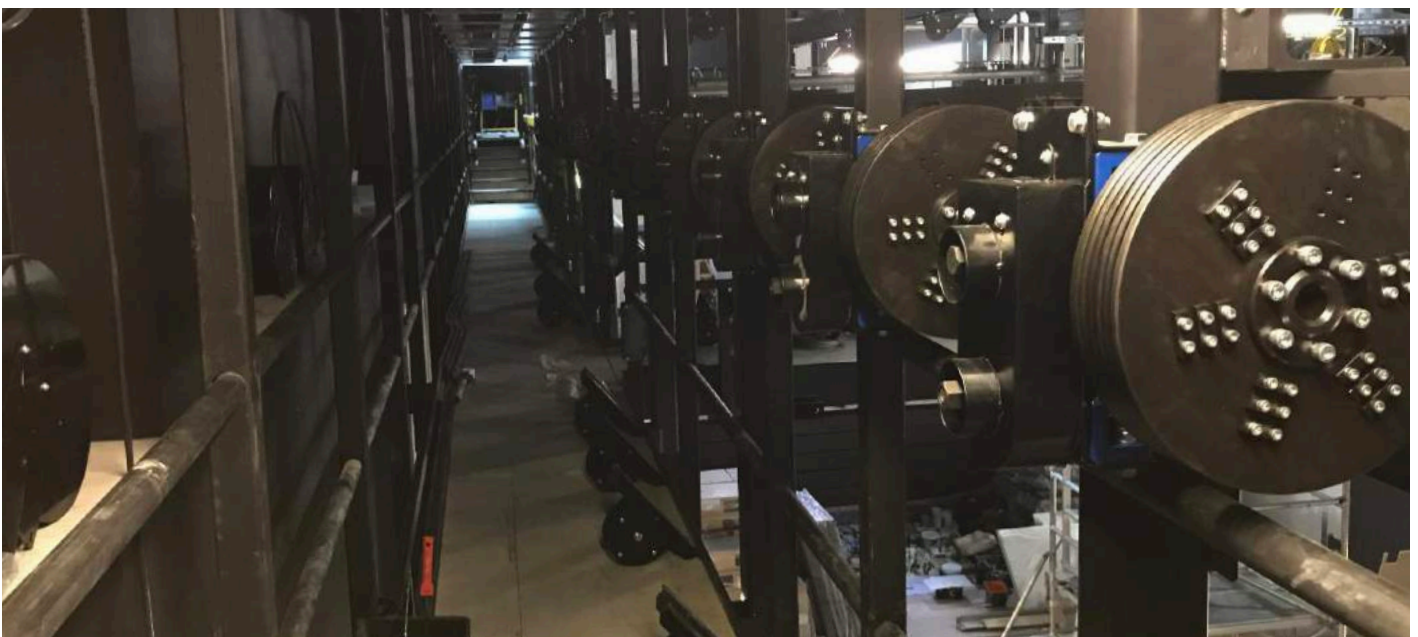
Travel
up to 17m

125-500kg
maximum load
capacity

3-5
Drop lines

Driven by
crank handle

Safe and
controlled
movement



Counterweights

Counterweight systems are the backbone of traditional theatre rigging and are still used in thousands of venues across the world. The system provides a simple mechanical method of manually raising and lowering a bar holding lights, scenery, or drapes. If the counterweight cradle or arbour is loaded with enough weights to reach the equivalent mass of the lineset (achieving a near balanced condition), the operator will be able to move the bar with minimum effort.

A counterweight system consists of either a rear or front guided wall frame to support the cradles, in their vertical motion. At the top of the cradle the SWR are attached via rated shackles to the system, from there they are diverted via a head pulley to the drop pulleys. The head pulley also diverts the purchase line, from the top of the cradle, vertically past the operator's gallery to a return pulley, which diverts the line back upwards to the underside of the cradle. Purchase lines are typically a 20mm hemp or synthetic rope, which is secured by means of a rope lock when not in use.

A single purchase system is the industry standard. This requires the vertical travel of the counterweight cradle to be equal to the travel of the lineset. If this is not possible, a double purchase system can be used where additional pulleys and lines help reduce the travel required by the cradle. Double the load of the lineset must be placed on the cradle to compensate for the reduced travel. This additional friction and weight add to the force required by the operator.

A counterweight assist electric motor can be used for heavy-duty operation. Due to the existence of the counterweights, the safe working load (SWL) of the motor can be significantly reduced. We also offer a counterweight assist system whereby a single, or relatively few motors can be used on a large number of sets.





Bespoke Rigging Solutions

We design, manufacture and install tailor-made rigging systems to suit your project. We also offer a wide range of standard and bespoke rigging accessories and mechanisms on a supply only basis. All of our equipment conforms to the relevant international industry safety standards.

As well as our range of manual pilewinds and counterweight systems, we offer hemp rope pulley sets, worm bath winches, hand winches, internally wired lighting bars, ladder bars, truss, trolleys, single and multi-line head pulleys, drop pulleys through to our huge range of clamps (brackets, shackles and sockets).

We pride ourselves on being able to offer everything you would need to rig your venue or production.



01 - Royal Welsh College of Music - Pulleys
 02 - Sheikh Abdullah Al-Salem Cultural Centre - Bespoke Suspension System
 03 - New York University, UAE - Fixed Lighting Bars

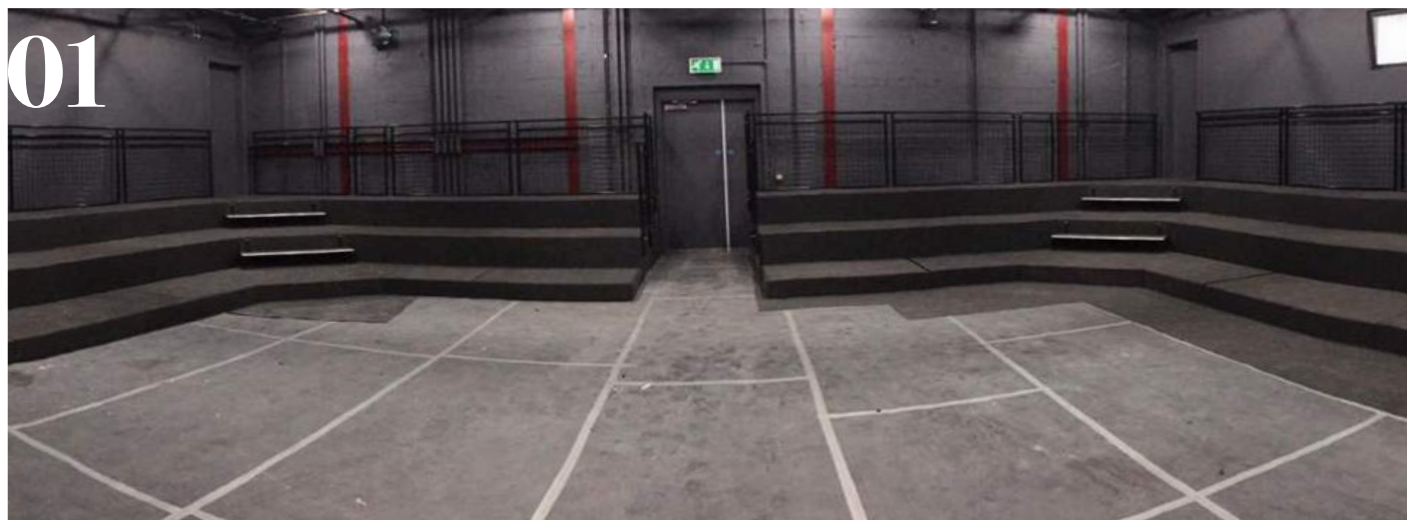


Rostra

J&C Joel has vast experience in the design, manufacture, and installation of tailor-made, high-quality staging systems.

We offer our clients the ability to visualise the design in 3D to ensure the manufactured parts fit together seamlessly onsite and maximise the space available. From here, the specification can be further developed to allow for various configurations and layouts; we also offer options on the metal and timber finishes, as well as stage edging, handrails, steps and storage.

Our platforms and staging solutions are designed and supplied for a variety of environments, including education, house of worship, event and performance with varied solutions involving fixed, demountable, tiered and bespoke.



200 SkyDeck™

Tension Wire Grid

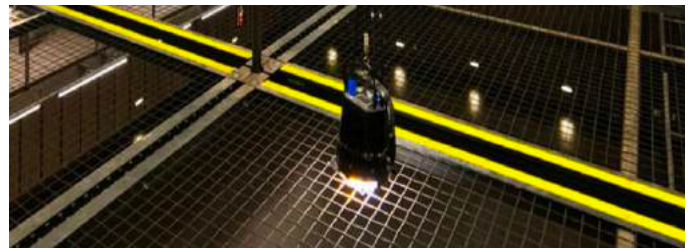
SkyDeck™ is designed to provide access to overhead equipment in a multitude of venues. From intimate black box theatres to giant arenas, one of the most efficient tension wire grid system available on the market.

Designed for use in any area where unimpeded light, sound, or airflow is desired, SkyDeck™ is virtually invisible therefore there is no discernible loss of focus, signal, or energy when you direct light or sound through the woven wire surface.

The grid panels are custom manufactured to accommodate your building's shape and are available in a wide range of shapes and colours. SkyDeck™ is modular with individual panels that can be removed and switched without disturbing or compromising the integrity of the entire grid.

SkyDeck's hybrid steel structural frame and patented design is self-preserving, easy to maintain and built for strength. The frame is engineered for low weight to strength ratio and has a slim 200mm profile that is strong and aesthetically pleasing.

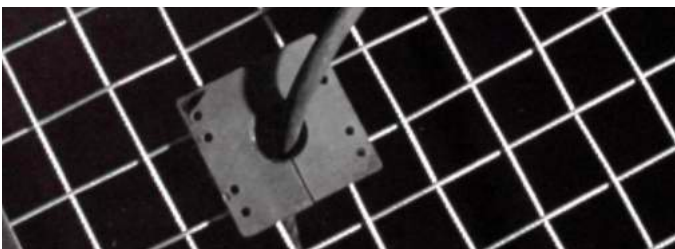
SkyDeck™ offers a maximum point load of 136kgs and a live load of 98 kg/m²



EdgePro™

SkyDeck™ tension wire grid can be easily configured to include rigging wells. When rigging wells are part of the design, EdgePro™, a formed steel guard specially created for use with SkyDeck, is attached to the framing members situated on either side of the rigging well. The steel guard completely encases

SkyDeck's end fittings, protecting the grid so riggers can confidently pull ropes, chains, or cables up between grid panels without the risk of snagging.



Grid Plugs

In addition to sending light, sound and fog effects through SkyDeck™, it is also possible to rig through the system.

Using tough, yet pliable polyurethane Grid Plugs to protect the SkyDeck's woven wire surface from wear and tear, whilst protecting power cords, lift lines, ropes and cables from possible damage caused by the friction of pulling those items across the grid.

Plugs measure: 124mm x 124mm x 25mm (WxLxD)



SkyDots™

SkyDots™ are RGB LEDs housed in aluminium pucks that attach to the intersections of the woven wire surface of a SkyDeck™. Think of an arena ceiling like a giant flat-screen TV, the SkyDot™ X-LEDs are the pixels. Each dot is individually assigned and controlled, capable of producing over 16 million colours facilitating endless lighting possibilities and powerful visual content.



SKYDECK
BY INTERAMERICA STAGE INC.

Easy
configuration

Fast
installation

Strong and
reliable

Creative
flexibility



2022 Motorised Rigging

Motorised Pilewind Winch

Pilewind winches are a simple solution for the vertical movement of scenery or lighting bars, where the travel is less than 17m. The winch motor rotates a series of plates, between which the steel wire rope is wound around a centralised shaft. As the lines wind on, they pile on top of the previous layer, which can vary the speed of the cable movement. We can provide fixed or variable speed motorisation from asynchronous or servo motor gearboxes, specified according to the required load capacity and speed, typically pilewinds operate at slower speeds – 0.1m/s – 0.3m/s, with higher speeds available on request.

The exact specification of the winch is determined by your needs. This includes travel, capacity, lines and speed. As standard, all of our Motorised Pilewinds are fitted with double braked motors and four-pole rotary limits (end of travel and ultimate safety limits). They can also be fitted with additional safety features such as encoders for positioning and speed monitoring, load cells for load feedback and overload/underload protection and slackline detection.

Pilewinds can be wall or floor mounted with the lines diverted via a loft mounted head pulley to the individual drop pulleys. Alternatively, you can fix directly to the head steels or underside of the grid with the cables diverting directly to the drop pulleys. Drop lines are commonly terminated at a fly bar via rated clamp and wedge sockets.

J&C Joel also provides a range of manual Pilewind Winches for small venues and educational spaces.
See page 192 for more details.



Bespoke
for your needs

Specialised
installation

Compliant with
EN17206*

The machinery
directive
2006/42/EC

Safe working
loads up to
1000kg

Up to
0.3m/s speed

*Different design specifications available on request, including dynamic self sustaining gearbox, independently functioning brakes, encoders, load cells etc...



Prime Ministers Office, Brunei - Motorised Pilewind Winches

Lineshaft Hoist

Lineshaft Hoists consist of a series of helically grooved drums, linked together by universal joints or cardan shafts, which are rotated by the motor gearbox. Each of the drums has a steel wire rope terminated to it, so as the shaft rotates it retrieves the lines.

We can provide fixed and variable speed motorisation from asynchronous or servo motor gearboxes, specified according to the required load capacity and speed, typically 0.3m/s – 1.0m/s with higher speeds available on request.

The exact specification of the winch is determined by your needs. Lineshafts are ideal for scenery or lighting bars requiring a large number of drop lines and longer travels. As standard, all our lineshaft winches are fitted with double braked motors and four-pole rotary limits (end of travel and ultimate safety limits). They can also be fitted with additional safety features such as encoders for positioning and speed monitoring, load cells for load feedback and overload/underload protection and slackline detection.

Lineshafts are designed to be horizontally mounted to loft steels or the underside of a grid, with the cables directly terminated to a fly bar via rated clamp and wedge sockets.



Multiple
drop lines

Flexible
installation

EN17206
compliant

The machinery
directive
2006/42/EC

Safe working
loads up to
1000kg

Fixed/variable
speed available



Louvre Abu Dhabi - Lineshaft System

Drum Winch

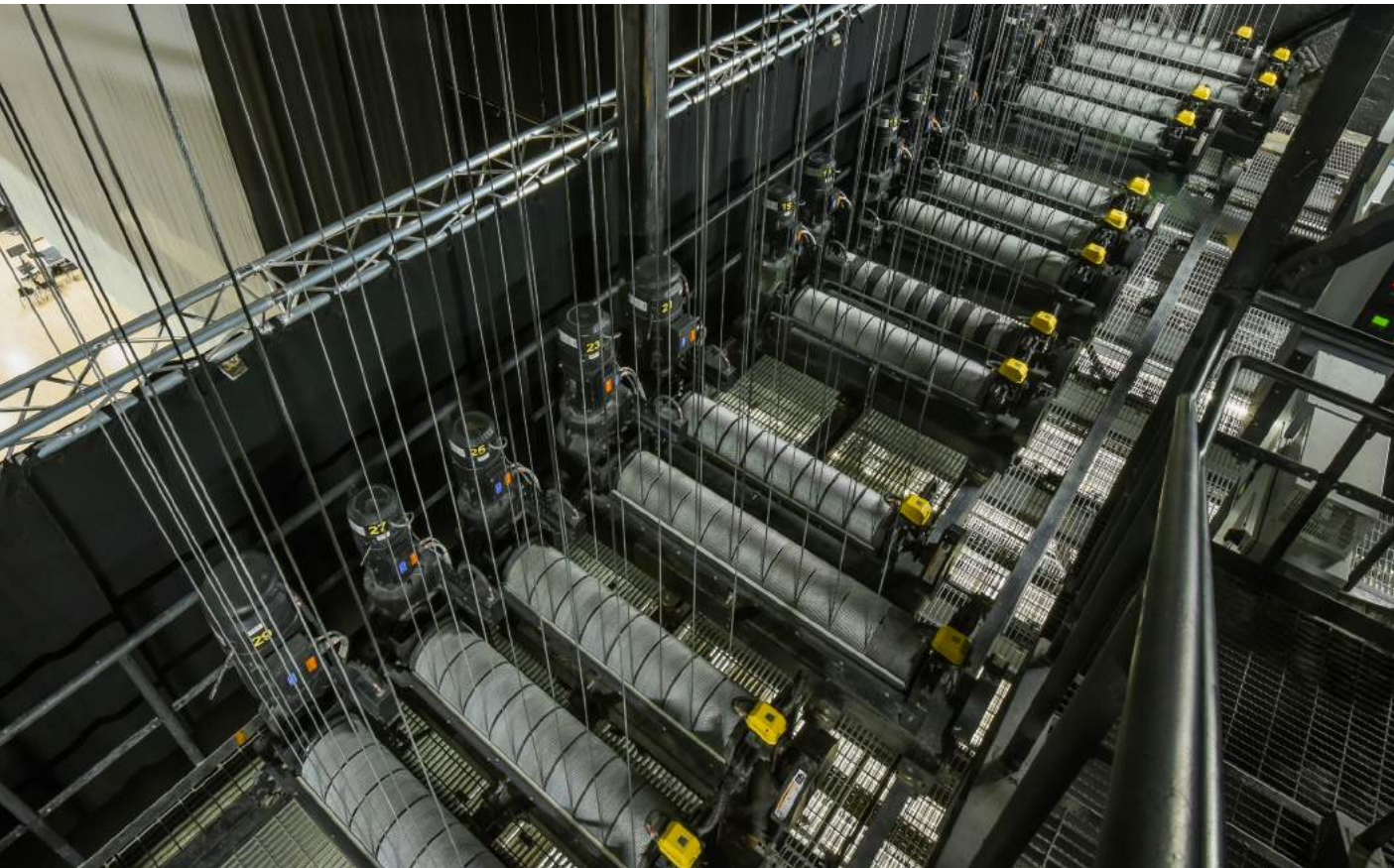
Drum winches are an alternative to Pilewinds where a constant accurate speed is required or a travel of more than 17m. Drum winches rotate a helically grooved machined drum. As the steel wire ropes wind on, they travel along the grooves in the drum, gradually changing the angle of the lines (the fleet) between where they terminate on the drum and the head pulley. We can provide fixed speed motors or variable speed motorisation from asynchronous motor gearboxes (servo motors available on request), specified according to the required load capacity and speed. Drum winches are also capable of higher speed operations than Pilewinds, typically 0.3m/s – 1.0m/s, with higher speeds available on request.

The exact specification of the winch is determined by your needs. This includes the length of travel, and how many lines it needs to operate, usually up to seven lines. As standard, all our drum winches are fitted with two independently functioning brakes, four-pole rotary limits, end of travel and ultimate safety limits. They can be fitted with additional safety features such as encoders for positioning and speed monitoring, load cells for load feedback and overload/underload protection and slackline detection.

Drum Winches are floor mounted, the lines will need to be diverted via a loft mounted head pulley to the individual drop pulleys. The drop lines are generally terminated to a fly bar via rated clamp and wedge sockets.



Bespoke for your needs	EN17206 compliant	The machinery directive 2006/42/EC	Safe working loads up to 1000kg	Fixed/variable speed available
---------------------------	----------------------	--	---------------------------------------	-----------------------------------



Rubeus - Zero Fleet Winch

J&C Joel's zero fleet winches are suited to venues requiring a higher specification of motorisation. They feature encoders for positioning and speed monitoring, load cells for load feedback and overload/underload protection, and two independently functioning brakes. They also come with slackline detection, four-pole rotary limits, with end of travel and ultimate mechanical safety limits as standard. The Rubeus solves the problem of varying fleet, using a series of pulleys that divert the lines directly from the drum, travelling along the body of the winch as it rotates. This enables the steel wire ropes to travel out of the winch parallel and evenly spaced.

We can provide fixed speed or variable speed motorisation from asynchronous motor gearboxes (servo motors available on request). Our standard models operate at up to 1.0m/s with different speeds available on request. The exact specification of the winch varies according to the requirements of its operation. These include the length of travel, and how many lines it needs to operate – generally up to 7 lines.



Zero fleet
technology

EN17206
compliant

The machinery
directive
2006/42/EC

Safe working
loads up to
1000kg

Variable up to
1.0m/s speed



Sharjah Arts Centre - Rubeus Zero Fleet Winch

Safety Curtains

Safety curtains are designed to create a barrier between the stage and the auditorium, venting heat, smoke and flames from spreading in your venue. They are a fundamental part of your fire safety plan, with most building codes requiring the curtain to be self-closing and deployed in an emergency within 30 seconds.

The safety curtain acts as a fire break when the venue is empty or used in non-emergency scenarios, for example before, during and after productions. The safety curtain is raised via a motorised winch but is deployed in an emergency scenario under its own weight and is brought to a controlled stop via a hydraulic dampener to prevent undue stress on the building structure.

Depending on the architecture of your building, we offer a number of systems to suit your requirements.



Straight Lift Safety Curtain

In order to facilitate a Straight Lift fire curtain, your venue must have twice the flying height of the proscenium.

A Straight Lift fire curtain consists of a metal frame, which is a ridged construction made entirely of non-combustible materials to withstand the effects of fire such as Zetex fabric and durasteel sheets, improving durability and the time the curtain can withstand flames.

Due to the weight of Straight Lift fire curtains, they commonly use a counterweight system installed on the upstage side of the proscenium arch. The motor system then only has to be sized to deal with the weight difference between the curtain and the counterweights cradle.

GET IN TOUCH and speak to our team.

For more information or advice regarding any of our solutions contact our sales team.

Brail Lift Safety Curtain

In venues where there is not sufficient flying height of the proscenium a Brail fire curtain or roller fire curtain can be used.

A Brail Lift safety curtain consists of Zetex fabrics, which have guide wires from the motor system fed down the upstage side of the curtain via evenly spaced D-rings. These terminate to a bottom bar, allowing the fire curtain to fold neatly into the void above the proscenium.

Roller Lift Safety Curtain

In venues where there is not sufficient flying height of the proscenium a Brail fire curtain or roller fire curtain can be used.

A Roller fire curtain consists of Zetex fabrics, suspended from a large motorised tube, which neatly allows the fire curtain to be rolled above the proscenium. Please note this solution is suited to prosceniums no larger than 20m wide.

Festoon

We can provide vertical raises for drapery using multi-line festoon systems. The lines are attached directly to the base on the curtain or a bar contained therein. They are then raised in unison bringing the base towards the header of the curtain. Typically the lines are fed through D-rings or similar, sewn into the back of the curtain at regular intervals. This causes the curtain to fold or concertina, which works with a flat Roman Blind style or a swagged Austrian style curtain with horizontal fullness.

The raise can be achieved by a number of different means; including a Rubeus Winch mounting within a system of modular truss consisting of drop diverter pulleys at regular intervals, a Lineshaft Hoist, or a single line Pilewind with a guided clew head pulley and drop diverter pulleys. The exact specification of the system is determined by your needs.

As standard, all J&C Joel Festoon systems are fitted with double braked motors and four-pole rotary limits, end of travel and ultimate safety limits. They can be fitted with additional safety features such as encoders for positioning and speed monitoring, load cells for load feedback and overload/underload protection and slackline detection.

Festoon systems are typically used with our Austrian drapes for a wide variety of venues and also utilised with divider or masking drapes in arenas.



The Venetian Macao - Festoon System & Drapery

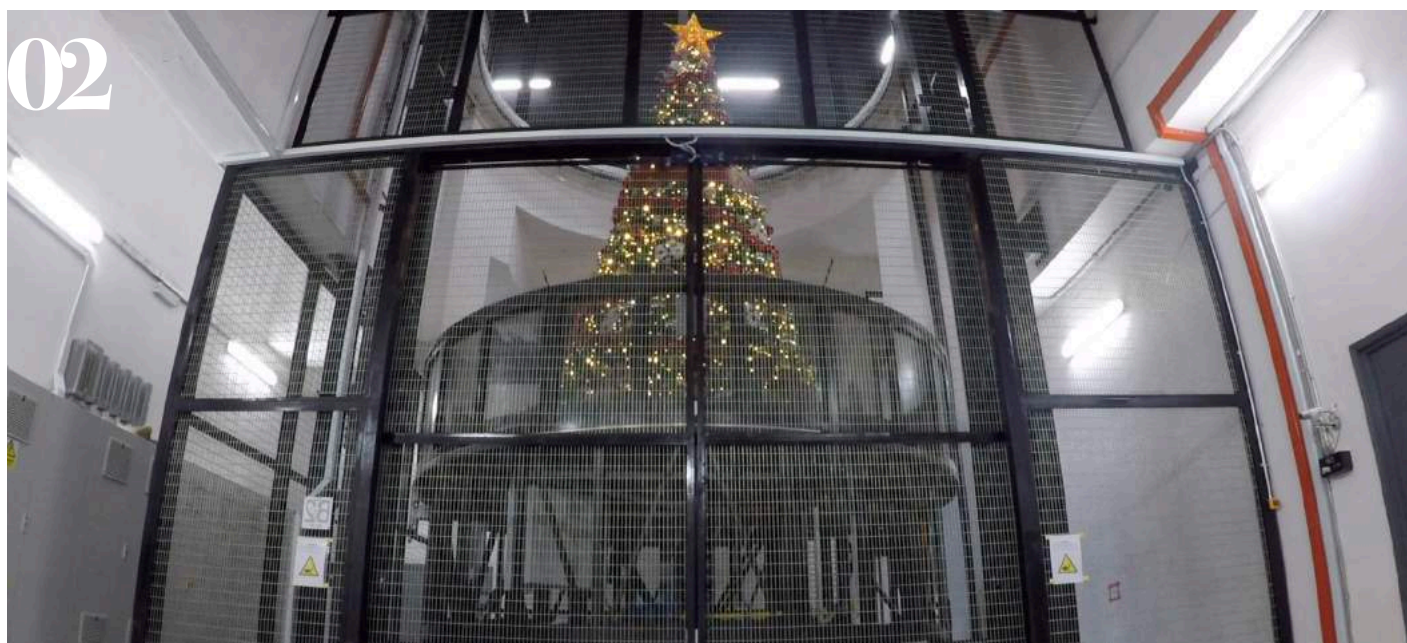


Stage Lifts

Stage Lifts make it possible to move the stage floor in a vertical direction and allow for gentle quiet movement and stable support of stages, orchestras, equipment, and seating platforms.

J&C Joel can combine various types of lifting systems as single or double deck platforms, with integrated stage elevators or inclining covers. Depending on the required dimension, load capacity and lifting speed, different drive systems are specified to ensure your needs are met.

Our team of experts in stage machinery are always on hand to help advise and specify the solution that would best suit your needs.



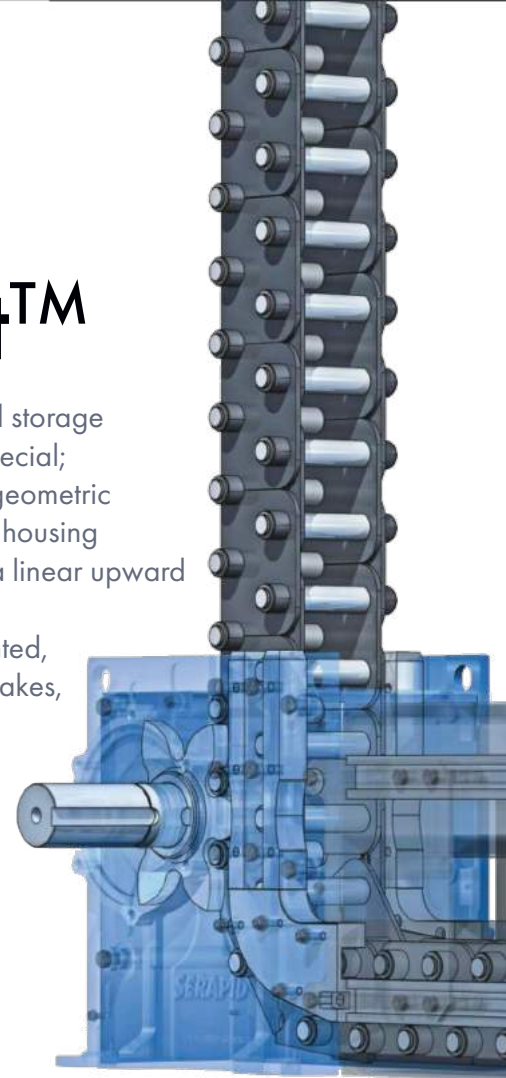
01 - Royal Welsh College - Spiral Lift
 02 - World Resorts, Genting - Serapid LinkLift™ In Use
 03 - Zayed University - Orchestra Lift

210 LinkLift™

The Serapid LinkLift™ is entirely mechanical. It is a chain driven from its horizontal storage position into a vertical position in order to lift a load. The links of this chain are special; block-shaped, with square cross sections, ensuring the centre of gravity is in the geometric centre. The chain is driven by two or four pinions. Vertical guides inside the drive housing ensures correct alignment and locking of the links, as the lifting column builds in a linear upward movement. The LinkLift™ drives an elevator system, which also comprises of a custom-designed platform, with the movement being guided by linear wall-mounted, or scissor lambda guides. Our solutions can be integrated using limit switches, brakes, lead cells, encoders, safe edges, and interlocks to match any specification.

Key benefits of the LinkLift:

- Heavy load capacity.
- Long stroke high stability and rigidity.
- Entirely mechanical telescopic.
- Accurate repeatable positioning in mm range.
- Standard speeds up to 300mm/s (higher on request).
- Maintains position with no drift.
- Smooth motion and uniform speed.



SERAPID
RIGID CHAIN TECHNOLOGY

Easy
installation

Flexible
configuration

DIN 56950
compliant

ISO 9000
certified

Product	LL 30	LL 50	LL 50R	LL 80	LL 80R	LL 100	LL 100R
Nominal speed up to (mm/s)	200	300	300	300	300	300	300
System efficiency rate (%)	80	80	80	80	80	80	80
Pitch of link (mm)	30	50	50	80	80	100	100
Primitive radius (mm)	30	50	50	80	80	100	100
Minimum height (mm)	190	290.5	290.5	460	460	572	572
Weight of chain* (kg/m)	15	21	22	46	50	71	74
Weight of drive housing* (kg)	8	29	33	80	90	192	213
Weight of magazine* (kg)	2.4	4	4	10	10	15.5	15.5

Static capacity (per lifting column)

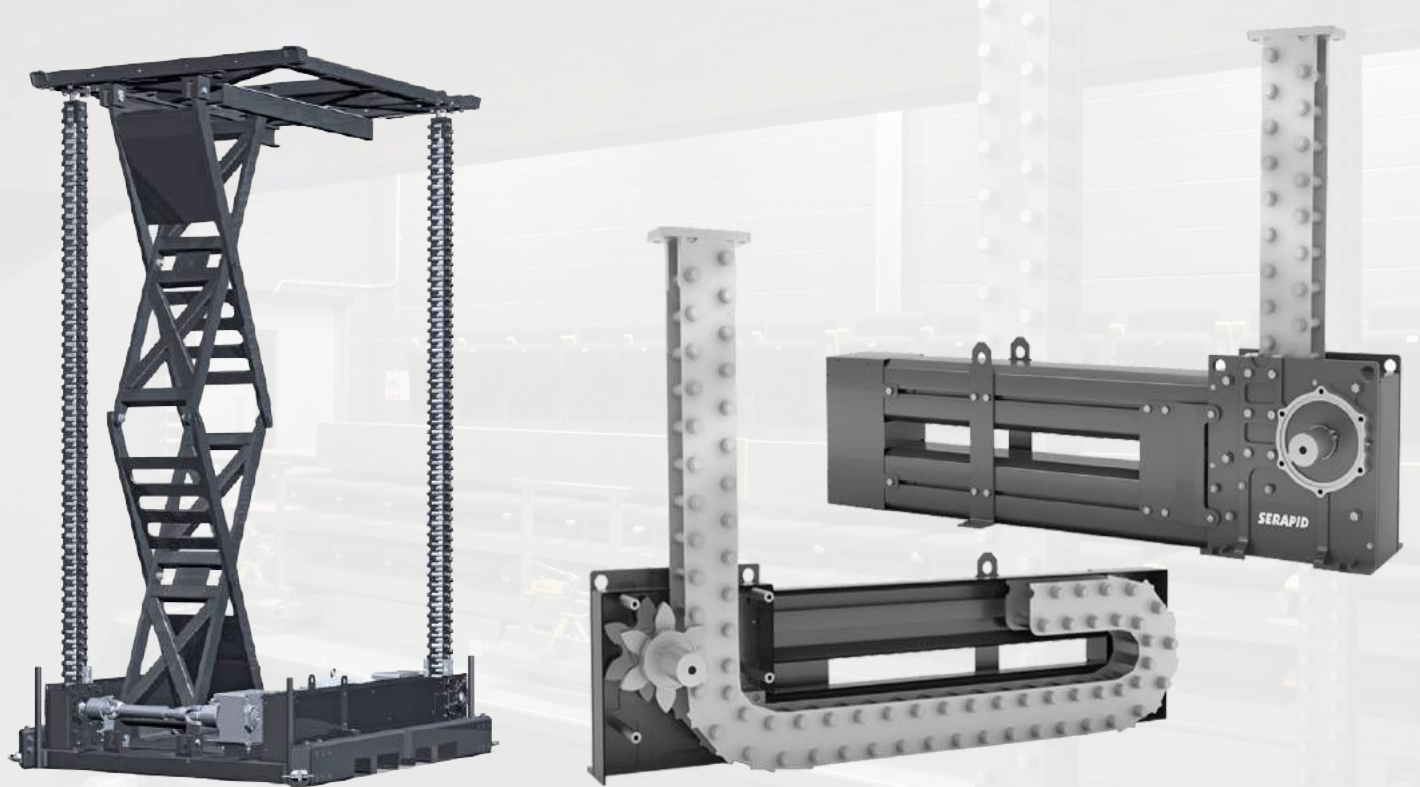
*Approximate weight

max load (kN) : stroke limit (m)	20 : 1.9	50 : 2	70 : 1	100 : 3.5	125 : 2	130 : 6	200 : 3.5
load limit (kN) : max stroke (m)	20 : 1.9	10 : 4	10 : 4	40 : 6.4	40 : 6.4	70 : 8	70 : 8

Dynamic capacity (per lifting column)

max load (kN) : stroke limit (m)	10 : 1.9	15 : 3.5	30 : 3	50 : 6	90 : 4	75 : 7.5	150 : 5
load limit (kN) : max stroke (m)	10 : 1.9	10 : 4	10 : 4	40 : 6.4	40 : 6.4	70 : 8	70 : 8

01



02



01 - Strule Arts Centre - LinkLift™ System 02 - Presidential Palace Turkey - LinkLift™ System

212 Control Systems

In order to support our wide offering of motorised stage machinery and acoustic products, J&C Joel now has a range of proprietary control systems. These are designed to cater for a range of automation scenarios.

We understand that each project has its own unique set of requirements and challenges. These create variables in the number of axis, sophistication of interface, safety standards and budget, allowing us to provide bespoke solutions, ranging from simple push button pendants to more programmable packages.

Product	Micro+ Pendant	Imperium	Stage Gem
Hold-to-run	✓	✓	✓
Emergency Stop	✓	✓	✓
Load Sensing	✓	✓	✓
3D Wireframe Capabilities	✗	✓	✓
Monitor / Touch Screen	10" (touch screen)	15" (touch screen)	24" (monitor) 10" (touch screen)
Dimensions mm (WxHxD)	305 x 279 x 76	482 x 386 x 566	1000 x 490 x 617

Micro+ Pendant

The Micro+ Pendant, powered by Raynok Motion Control Software, is a handy, versatile device. It can be the main operator station for small installations or added to a larger installation, allowing users to operate machinery locally for maintenance, change-over or setup purposes.

When combined with a Raynok-NAS or Raynok-Server, the machine management and access can be constrained by the user and/or location.

A perfect solution for any venue where the operator needs mobility, such as arenas with multiple mechanisms or touring productions.



10" Touch
Screen

Intel™i5
processor

90-230v
50/60Hz
Universal power supply

Weight
2.8kg

Dimensions
12"x11"x3"
(WxHxD)

Imperium

The Imperium console, powered by Raynok control software, is a powerful yet compact console with an integrated Windows embedded PC with Intel™ processor. The unit fits into 19"/11 U rack and due to its durability is perfect for the touring market.

A perfect solution for any small to medium venue, the Imperium can control stage machinery, automated hoists, turntables, wagons, and more. There is virtually no limit to the number of cues per show, or the number of shows you can create. With 48 different axes, operators have plenty of capacity for complex moves onstage, even when several moves are taking place simultaneously.



15" Touch
Screen

3D wire frame
visualisation

Fits
19"/11 U rack

Intel™i7
processor

90-230v
50/60Hz
Universal power supply

Stage Gem

The Stage Gem, powered by Raynok control software, is a dynamic operator console suitable for West End style productions, through to music and dance concerts in large venues with sophisticated stage engineering systems.

With endless programming capabilities and built-in storage of 32gb, the Stage Gem combines powerful cue automation with the capacity to store and reuse past productions and also map and design new shows. This is due to its ability to program multiple moving elements with a single cue, whilst running several complex cues simultaneously.



24" Monitor
& 10" Touch
Screen

3D wire frame
visualisation

32GB
built in
storage

Intel™i7
processor

Network for
multiple users





Track & Drapery Systems

Featured in this section are the systems and components of our track partner Triple E. They manufacture a range of flexible, modular tracks that are suitable for both touring and permanent installations.

Whether it is for a tv studio, school hall, opera house, arena, concert, event, product launch, or any other situation where you need your drapes to perform; our team will advise you on the correct solution.

Trust Our Experts

There are some key factors to consider when it comes to purchasing a track system. With a combination of regular product training and experience, you can rest assured we are fully equipped to advise you on the best solutions to meet your requirements. You can assist us by giving the below factors some consideration.

The System

Is it a new tracking system or an upgrade? If you are looking to extend or change the use of an existing stage tracking system, it is important to establish any compatibility issues beforehand, to ensure you receive the most effective tracking solution. Photographs or drawings can help us identify what products you currently have in your venue.

Suspension

What is the tracking system going to hang from? All of the tracking systems have various methods of suspension. These include hook clamps, common tube sizes, studding, ceiling mounts and a variety of suspension brackets for a top or face fix.

Weight Load

How heavy are the drapes or scenic elements? For tracking systems designed to carry drapery and scenery with weights ranging from 1 kg to 1t, it is important to establish the load capacity that is required.

Smooth Operation

What type of operation do you require? We have walkalong, manual and motorised corded or chain-driven systems which have the possibility for future upgrades. These include adding easy to install plug and play motors to manual rope operated tracks and full integration to show control or Building Management Systems (BMS).

Movement Types

How you need to move and store your drapery and scenery is crucial when specifying your track system.

Whilst most Front of House drapes are on a Straight Overlap Bi-Parting Track (often motorised), and many TV studios use Curved Double Wipe Track (manual), this is not always the case. Our expert team will guide you to ensure you get the best track system to suit your needs.

Specifying the function and travel points for the curtains or scenery is key for the configuration of the track. It will indicate whether you need a single track, two tracks with a central overlap or two tracks running parallel to each other.

How movement is achieved on the system is often the defining feature. Wipe tracks allow objects to move from one side to another, whilst bi-parting systems have objects meeting in the centre. Side cording allows for a third option where objects can meet in the middle, or indeed anywhere along the track length.

For drapes, you can decide how they will stack. Typically drapes stack behind the master carrier as it travels from the closed to the open position. Rearfold runners turn this on its head by stacking the runners offstage when the drapes are being opened, keeping a crisp leading edge to the drape. ChainTrack allows drapes and scenery to travel along as a panel, without any conventional stacking occurring.

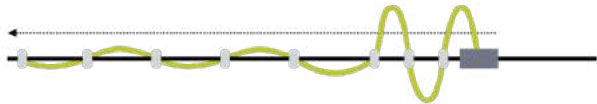
Budget

Using our knowledge we can easily provide solutions that meet your requirements, bringing the right movement to your show whatever your budget.

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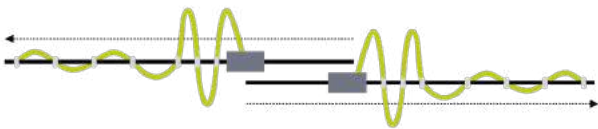
Movement Types

Straight Single Wipe Track



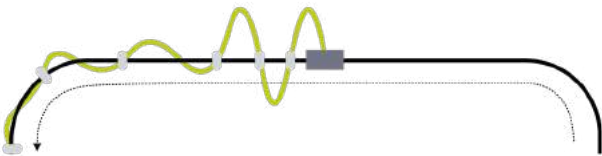
A single drape, lead by a master runner that travels from one side to the track to the other. the drape gathers behind the master runner as it opens.

Straight Overlap Bi-Part Track



Two tracks, carrying a drape each, which allow the master runners to overlap centre stage.

Curved Single Wipe Track



A custom curved track system with standard wipe operation.

Curved Double Wipe Track



A double curved track system, which allows two drapes to be pulled the full width of a space without stacking together.

Scenery Track Wipe



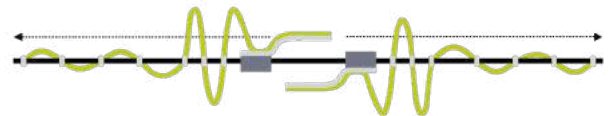
Scenery Carriers can be used with UniTrack™ and UniBeam, offering the ability to move heavy scenery flats, LED screens or theatrical elements used in productions.

Straight Single Wipe Track w/ Rearfold Runner



A single drape with rearfold runners, will cause the drape to stack offstage first, in reverse order to a regular corded system.

Straight Single Bi-Part Track with Overlap Arms



Installing overlap arms to the master runners ensures that there is no gap when the drapery is fully closed, on a single track.

Curved Overlap Bi-Part Track



Two track sections that overlap by molding the track itself. Overlap arms can also be used with curved single track.

Scenery Track Centre Butt



Two scenery carriers on a single track that meet in the middle of the stage and retreat to the offstage area.

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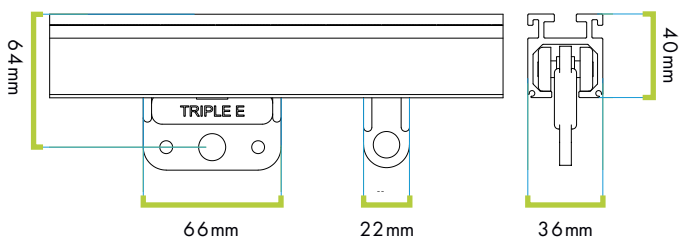
The Right Solution

Our team will always work with you to specify the correct track for your needs, taking safe working loads, installation space, movement types and all the other technical aspects into consideration. To help you we've pulled together some comparisons to assist you in your choice.

2Way Dimensions

Runner Dimensions

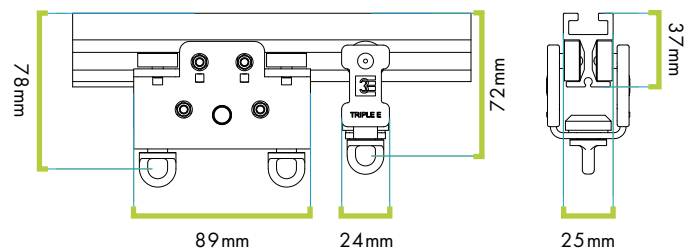
Track Dimensions



Erail™ Dimensions

Runner Dimensions

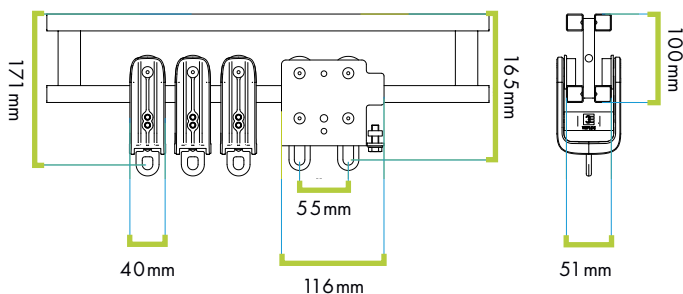
Track Dimensions



UniTrack™ Dimensions

Runner Dimensions

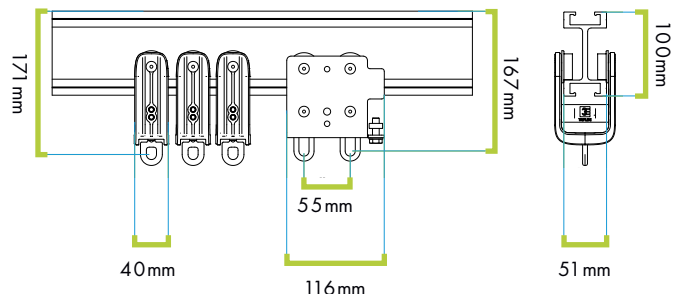
Track Dimensions



UniBeam Dimensions

Runner Dimensions

Track Dimensions



Track Comparison

Products	2Way	Erail™	UniTrack™	UniBeam
External Dimensions (WxH)(mm)	35 x 40	25 x 37	50.8 x 100	50.8 x 100
Straight Track Stocked length (m)	6.1 *	6.1 *	0.25, 0.5, 1.0, 2.0	6.1 *
Minimum Radius (m)	0.5	0.5	1	2
Point Load at 2m centres (kg)	17	12	100	265
Uniformly distributed Load at 2m centres (kg)	34	24	200	530
Walkalong / Corded	Walkalong	Walkalong & Corded**	Walkalong & Corded**	Walkalong & Corded**
Product Finish	Satin Black, Silver Mill finish & Custom Colours	Satin Black & Custom Colours	Satin Black & Custom Colours	Satin Black & Custom Colours

*Can be cut to custom length **Corded track can be hand operated or motorised.

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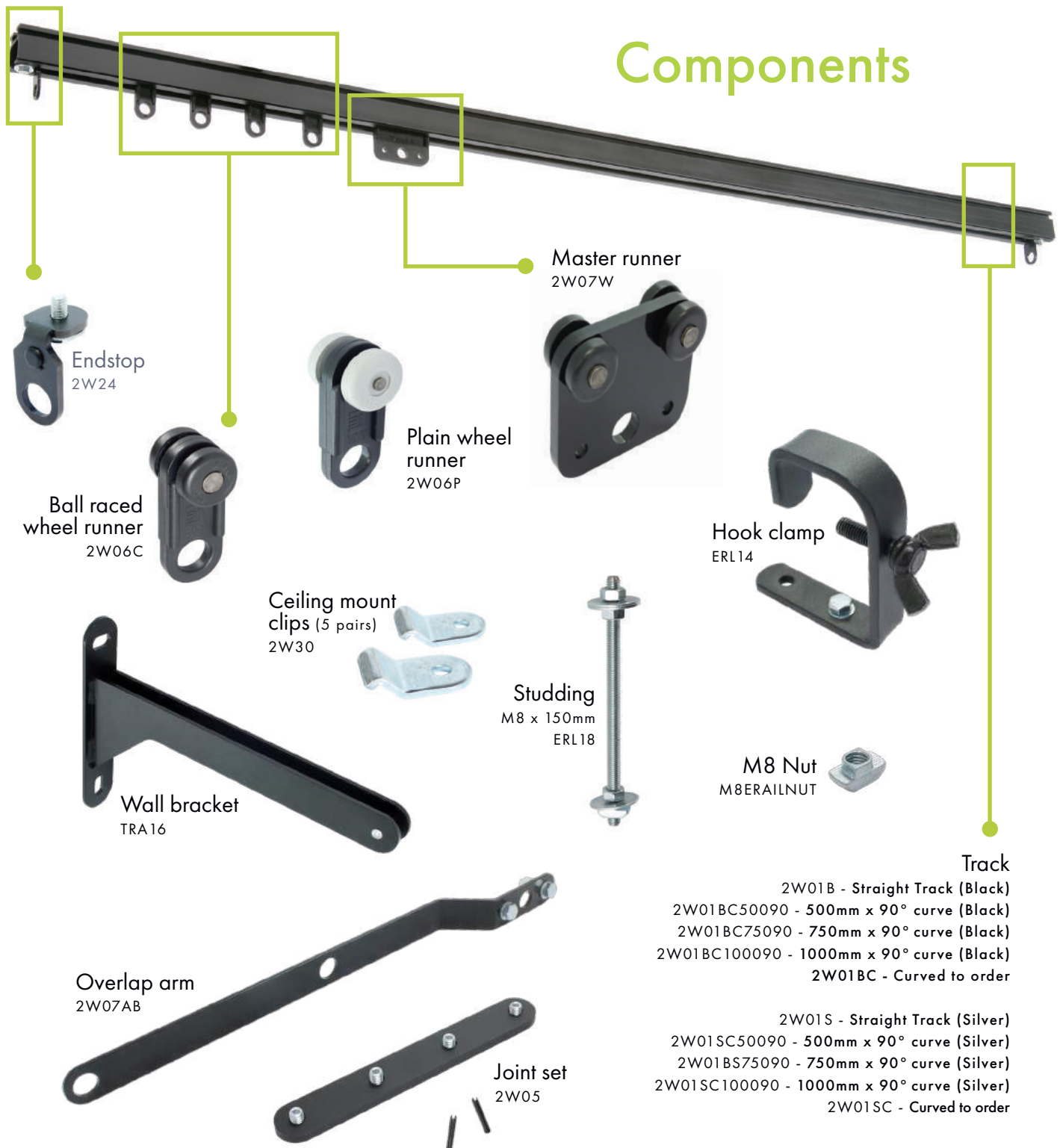
2Way

Perfect For:

Walkalong operation.
Perimeter tracks.
Acoustic drapery tracks.
Cyclorama track.

2Way track is a medium-duty compact closed profile designed for use with side masking, window, and dividing drapes or any application where a manual walkalong operation is required. The system has a variety of easy to use mounting options. Standard curved sections are available or you can specify the radius and angle required. Durable runners can be used with a variety of attachments including webbing ties, tab hooks and rufflette tape headings (see page 172).

Components



220

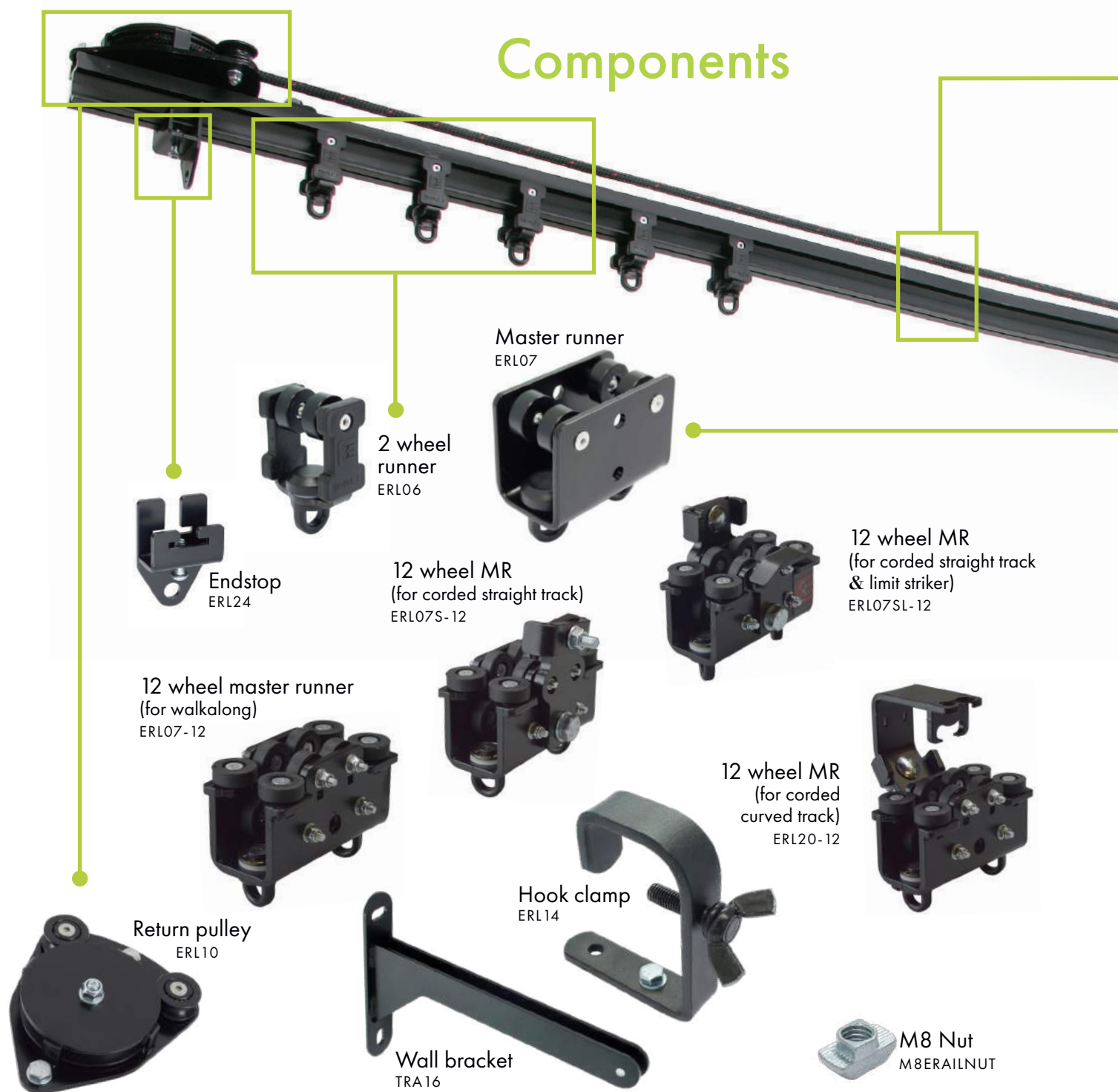
Erail™

Perfect For:

Small and medium drapes.
Cost-efficient & reliable solution.

Erail™ track is a medium-duty compact, extruded aluminium track. Suitable for walkalong, manual corded and motorised operation. With a range of fixings, it is a very flexible track suitable for installation in a wide range of venues. Almost silent in operation, Erail™ is an ideal choice for small to medium stages, conference halls, hotels and school halls. It has the option of being motorised using an SDrive or a TDrive motor (please see page 224).

Components

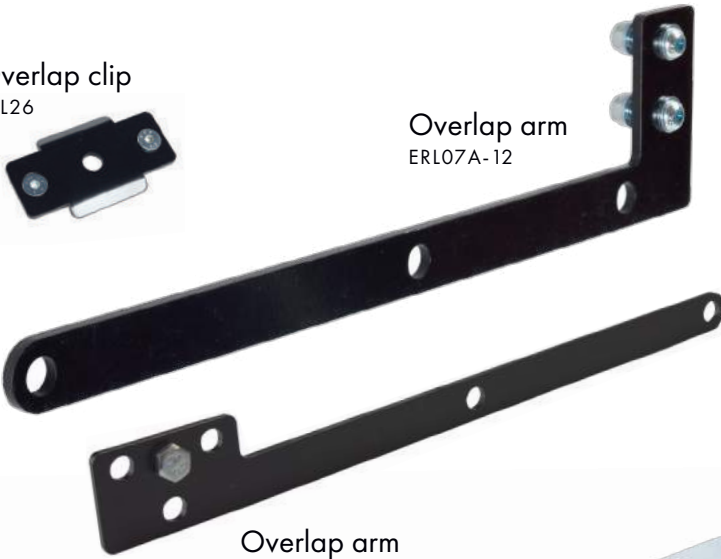


*We have shown the most popular parts used with these track systems, for a full list please contact our team. All photos are accurate at the time of print but may be subject to change with improvements in design.

Overlap clip
ERL26

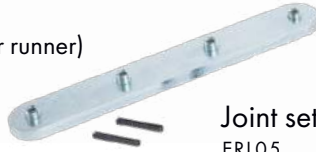


Overlap arm
ERL07A-12



*Overlap track section
(3m long c/w overlap clips)
ERL07A-12

Overlap arm
(for 12 wheel master runner)
TRA26



Mounting bracket
ERL17



Track

- ERL01 - Straight Track
- ERL01C - Curved Track
- ERL01C50090 - 500mm x 90° curve
- ERL01C75090 - 750mm x 90° curve
- ERL01C100090 - 1000mm x 90° curve
- ERL01C150090 - 1500mm x 90° curve
- ERL01C200090 - 2000mm x 90° curve

Joint set
ERL05



Curve suspension bracket
ERL23

Head pulley
ERL09



Line pickup
ERL25



Head pulley cord guide
ERL21



Curved cord guide
ERL19



Deadline fixing
ERL15



Girder clamp
TRA13



Studding
TRA18
M12 x 150mm
(use with ERL17/
ERL23)



Studding
M8 x 150mm
ERL18



Foot Stirrup
TRA11



Adjustable floor pulley
TRA12



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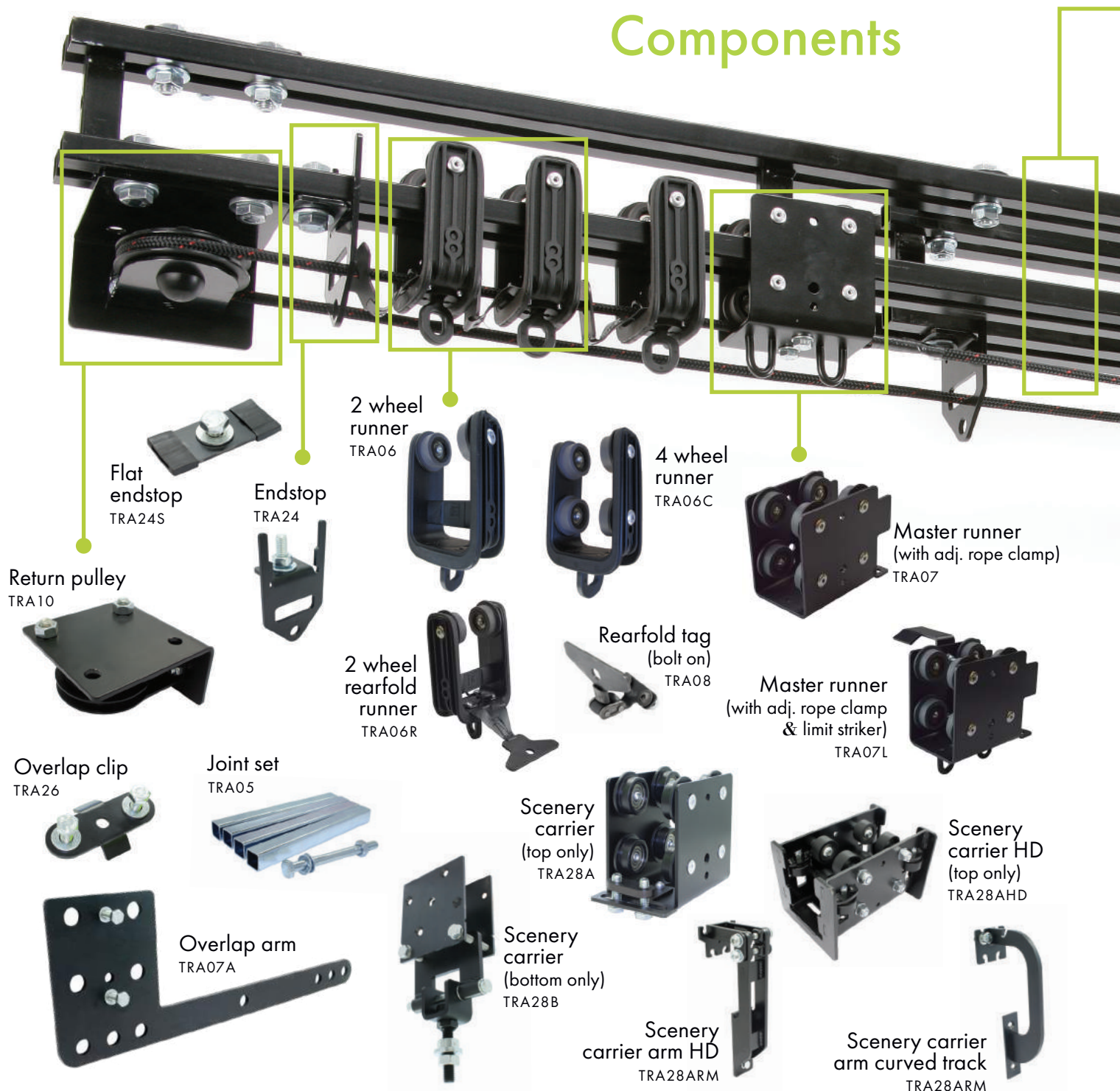
Perfect For:

Large drapes.
Touring.

UniTrack™

UniTrack™ is a heavy-duty track system for scenery and drapery with a range of runners and carriers that allow for a variety of uses, including rearfold stacking and curved operation. The track is available in a choice of set lengths of powder-coated mild steel box sections with intermediate connections. Its versatile and reliable profile makes it perfect for touring shows, but it is also great for permanent installations or in situations where the use of the track may change. It is suitable for manual walkalong, manual corded and motorised operation. It comes with a comprehensive range of track fittings to fulfil your configuration and operational requirements, these are interchangeable with the UniBeam (see page 222).

Components



*We have shown the most popular parts used with these track systems, for a full list please contact our team. All photos are accurate at the time of print but may be subject to change with improvements in design.

Curve cord
guide set
TRA19



Curve master
runner
TRA20



Curve master
runner HD
TRA20HD



Curve head
pulley set
TRA21



Curve return
pulley set
TRA22



Curve
suspension
bracket
TRA23



Side cord guide
TRA32 (also available as
HD)



Track

TRA01 - 250mm Straight Track
TRA02 - 500mm Straight Track
TRA03 - 1000mm Straight Track
TRA04 - 2000mm Straight Track

TRC10/90 - 1000mm x 90° curve
TRC15/90 - 1500mm x 90° curve
TRC20/90 - 2000mm x 90° curve
TRC30/90 - 3000mm x 90° curve

TRCr/a - Curved to order

Side cord centre
overlap diverter
TRA33 (also available
as HD)



Side cord head and
return pulley (3 part)
TRA34 (also
available
as HD)



Side cord rope
clamp for master
runner TRA35 (also
available as HD)



Single track
head pulley
HD
TRA31HHD



Single track
head pulley
TRA31H



Single track return pulley
TRA31R



Hook
clamp
TRA14



Line pickup
TRA25



Head pulley
TRA09



Offset
plate
TRA17



Foot stirrup
TRA11



Girder clamp
TRA13



Studding
TRA18
M12 x 150mm



Deadline
fixing
TRA15



Adjustable
floor pulley
TRA12



Wall bracket
TRA16



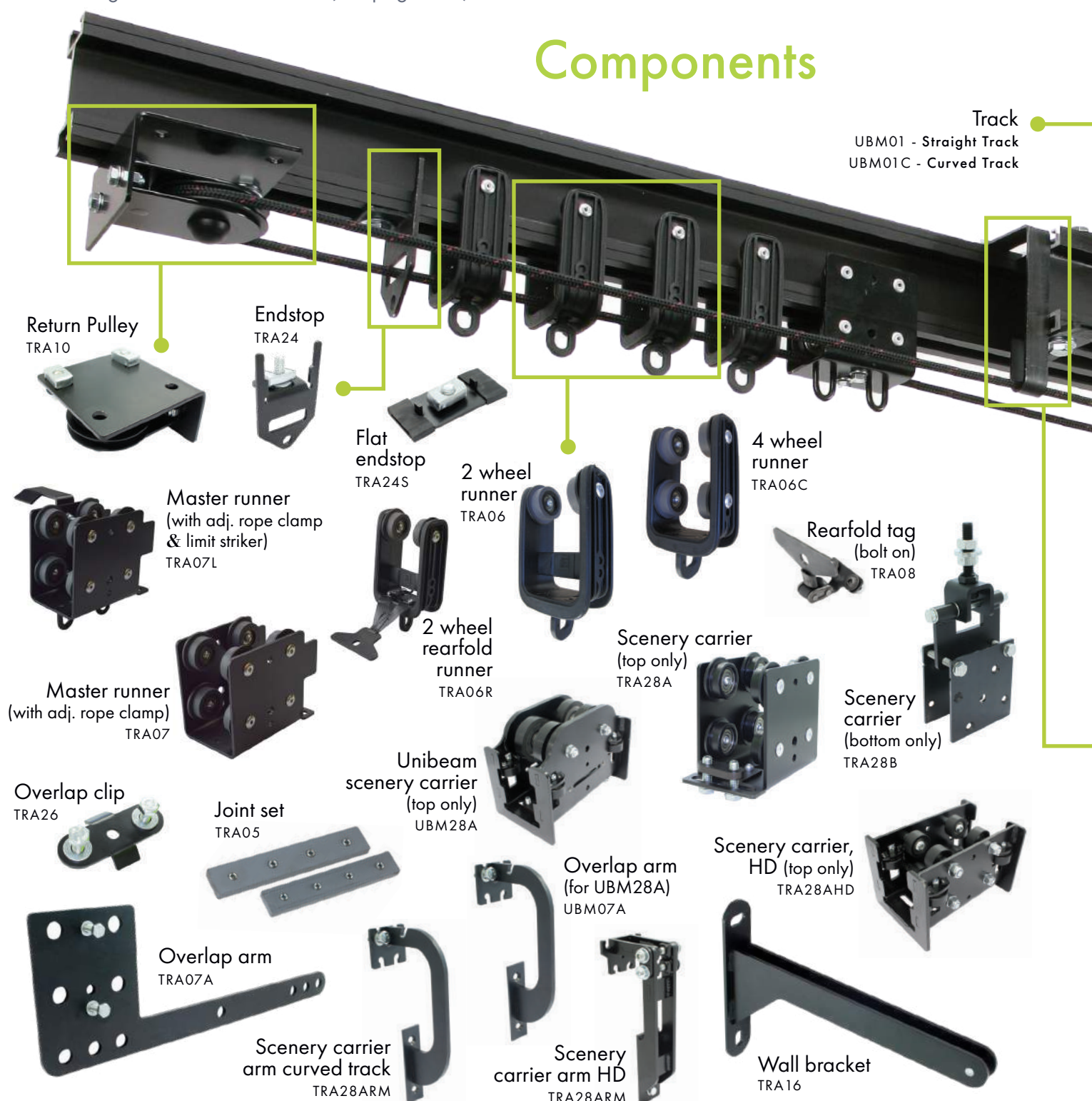
224 UniBeam

Perfect For:

Large drapes.
Large Scenery.
TV & Film Studios.

UniBeam is a heavy-duty track system for scenery and drapery with a range of runners and carriers that allow for a variety of uses, including rearfold stacking and curved operation. The track sections can be cut to any length from the stock 6.1m aluminium anodized extrusion. Its robust and reliable profile makes it perfect for minimising suspension points on permanent installations, but it is also great for touring or in situations where the use of the track may change. It is suitable for manual walkalong, manual corded and motorised operation. It comes with a comprehensive range of track fittings to fulfil your configuration and operational requirements, these are interchangeable with the UniTrack (see page 220).

Components



*We have shown the most popular parts used with these track systems, for a full list please contact our team. All photos are accurate at the time of print but may be subject to change with improvements in design.

Curve master
runner
TRA20



Curve master
runner HD
TRA20HD



Curve head
pulley set
TRA21



Side cord centre
overlap diverter
TRA33 (also
available
as HD)



Curve cord
guide set
TRA19



Uniring
URING



Side cord rope
clamp for UBM28A
UBM35 (also
available as HD)



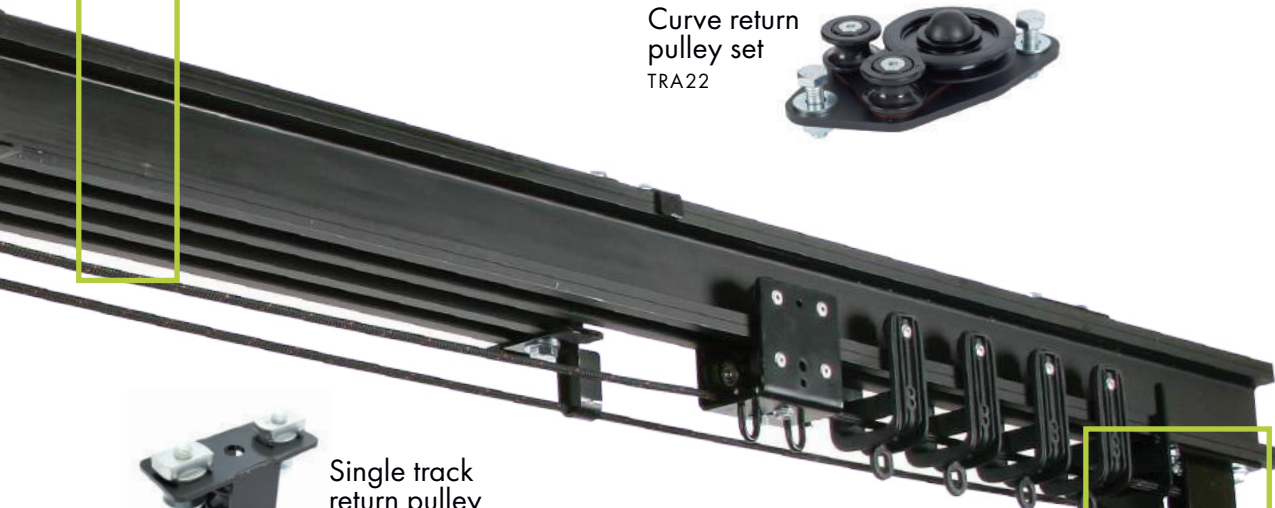
Side cord head and
return pulley (3 part)
TRA34 (also available as HD)



Side cord guide
TRA32 (also
available as HD)



Curve return
pulley set
TRA22



Single track
return pulley
TRA31R



Single track
head pulley
TRA31H



Single
track head
pulley HD
TRA31HHD



Line pickup
TRA25

Deadline
fixing
UBM15



Girder clamp
TRA13



Offset
plate
TRA17



Hook
clamp
TRA14



Head pulley
TRA09



Foot stirrup
TRA11



Studding
UBM18
M12 x 150mm



Adjustable
floor pulley
TRA12



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Track Motors

Using the motor that is suited to your track type and drapery weight will ensure the best results. We have given a brief overview of each system and created a comparison chart that will help you, however, it is always advised that you consult with our team, who can specify the whole system and provide a quotation to suit your budget.

S-Drive



A lightweight system, plug and play, intended for use with ERail™.

T-Drive



Plug and play system, intended for use with ERail™, UniTrack™ and UniBeam.

T-DriveHD



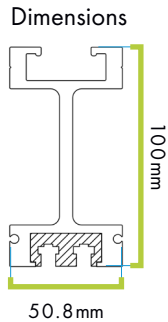
Plug and play system, intended for use with UniTrack™ and UniBeam.

Drive Comparison

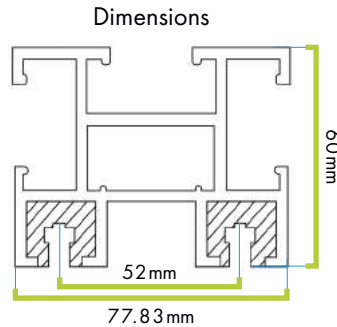
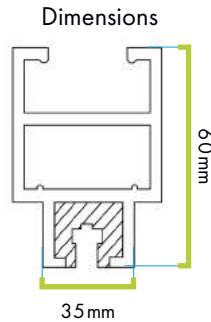
Product	S-Drive	T-Drive	T-Drive HD
Motor Power	0.12kw	0.4kw	0.75kw
Power Supply	230v 13Amp 50Hz Single phase supply	230v 13Amp 50Hz Single phase supply	230v 13Amp 50Hz Single phase supply
Max Load	150kg (Straight Track) 100kg (Curved Track)	300kg (Straight Track) 200kg (Curved Track)	400kg (Straight Track) 300kg (Curved Track)
Speed	0.07-0.7m per sec	0.07-0.7m per sec	0.07-0.7m per sec
Designed For	ERail™	ERail™, UniTrack™ & UniBeam	UniTrack™ & UniBeam

These motors can be used as stand-alone systems with several options of basic control pendants, both wired and wireless. They can also be modified to allow them to be integrated into stage automation systems. We can provide a J&C Joel DMX converter if you need to operate the track via a lighting desk or give advice on how to control them with an AMX or Crestron system. Please contact us for further information.

ChainBeam



ChainTrack



Perfect For:

- Compact stacking.
- Large scenery.
- Acoustic drapes.
- Long life span requirements.

We have two chain driven tracks. Both use long lasting, stretch-resistant duplex chains that run in ultra-high-molecular-weight Polyethylene (UHMW) channels inserted in the track extrusions. These can be custom curved, for a variety of different layouts and configurations. The chain is driven by a bespoke chain drive motor and the system can also be equipped with either direct stuck limits, or encoders to ensure highly accurate, reliable, and repeatable position programming.

ChainBeam is a variant of the UniBeam system, utilising all of the accessories of the UniTrack™ and UniBeam system but with the higher precision and capacity of a chain drive. This will move the scenery carrier or master runner along the beam. If used with a curtain, the other runners will concertina along its length as it would with a cord driven track. Please note that rear-fold runners cannot be used with ChainBeam.

ChainTrack is a system designed for the movement of drapes and light scenic elements and is used in a variety of projects, ranging from continuously moving window displays up to arena-sized drapes. It can be installed with cog diverter corner units to allow the track to manoeuvre around tight corners and into compact stacking spaces. It is important to note that with chain track the curtain will be attached at regular 95mm (as standard) centres along the chain, which means that as the chain moves along the length of the track it will not concertina or stack, like a regular drape, instead it travels as a panel. This can make for interesting backdrop effects including a double-sided scene changer drapery system.



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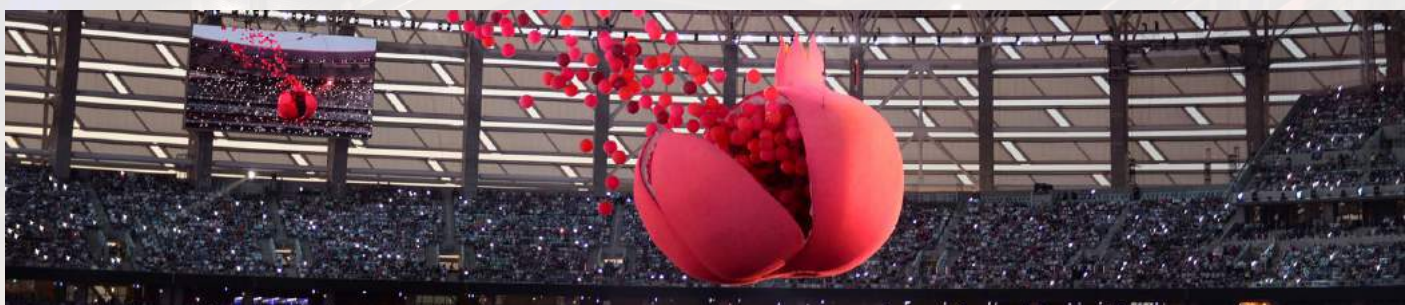
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Drapes & Shapes



Stage Engineering & Maintenance Services



Track & Drapery Systems



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