The West End Collection - Coliseum

Perfect For: Masking • Decorative/Scenic • Film & TV • Stage

J&C Joel

the inspiration behind the performance

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TECHNICAL

NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated

DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings

IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy

FR
Flame Retardant
chemically treated to an individual specification

NOT FR
Not Flame Retardant no flame retardant treatment

Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES

Approx roll length of material in linear metres (m) & feet (ft)

Approx width of material in centimetres (cm) & inches (")

Approx weight in grams per metre squared (g/m^2)

Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests

CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

Datasheet - Fabrics & Flooring

The West End Collection - Coliseum

J&C Joel

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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	**Flame Retardancy**	IFR
	Fire Certification	BS5867, EN13773, NFPA 701
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester
	Construction of Fabric	Warp Knitted
	Method of Dying	Batch Dyed, Min 400m, Max 500m, per batch.
Chemicals	**Brand Name of Flame Retardant Chemicals**	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	**Information**	Cold Water Wash, No Bleach, Tumble Dry (Synthetic Setting), Wash dark colours separately.
	Laundering Treatment	Dry Clean Only · Cold Water Only · Do Not Bleach · Do Not Iron · Synthetic Setting Only
Other Information		Martindale Rub Test, Abrasion Resistance: above 50,000 (certificate available).

Fire Rating:	Approx Roll Length:	Width:	Weight:	Fire Certification:	Colours Available	Fabric Thickness:
IFR	55m / 180ft	150cm / 59”	500 g/m²	BS5867, EN13773, NFPA 701	8	1.71 mm

Determination of fabric thickness BS EN ISO 5084: 1997. Test report available upon request.

For further information please contact our sales team **sales@jcjoel.com**

(28115) 21, Yangcheong-3gil, Ochang-eup, Cheongwon-gu, Chungbuk, Korea
Tel : 043-711-8875 Fax : 043-711-8804

TEST REPORT

REPORT NO.	: M270-17-12331
SAMPLE RECEIVED DATE	: 2017-11-01
TEST STARTED DATE	: 2017-11-01
REPORT ISSUED DATE	: 2017-11-08
PAGE	: 1 OF 2

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE FABRIC.

==========

ITEM : COLISEUM(WT-1005J)

==========

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGE.

==========

SPECIMEN

PREPARED AND CHECKED BY
FOR FITI
Seongkeun Jang
SEONG-KEUN, JANG
QUALITY MANAGER

AUTHORIZED BY
FOR FITI
Kyung Yoon Son
KYUNG-YOON SON
PRESIDENT

※ **Report Verification No.: FFW8-4XRS-N547** ※
(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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This test report is irrelevant to KOLAS accreditation.

FITI
(28115) 21, Yangcheong-3gil, Ochang-eup, Cheongwon-gu, Chungbuk, Korea
Tel : 043-711-8875 Fax : 043-711-8804

REPORT NO. : M270-17-12331
PAGE : 2 OF 2

01. FLAMMABILITY (BS 5867-2 : 2008, TYPE "B"/BS EN ISO 15025 : 2002, PROCEDURE "A")

#1

	LENGTH			WIDTH			AVG.
SPECIMEN	1	2	3	1	2	3	
WHETHER THE LOWEST BOUNDARY OF ANY FLAME OR HOLE REACHES THE UPPER OR EITHER VERTICAL EDGE	NO	NO	NO	NO	NO	NO	-
OCCURRENCE OF FLAMING DEBRIS	NO	NO	NO	NO	NO	NO	-
AFTERFLAME TIME(s)	0	0	0	0	0	0	0
AFTERGLOW TIME(s)	0	0	0	0	0	0	0
CONCLUSION	THE SUBMITTED SAMPLE MEETS THE FLAMMABILITY REQUIREMENTS FOR TYPE "B",AS SPECIFIED IN BS 5867-2:2008, WHEN TESTED IN ITS ORIGINAL STATE.						

NOTE) · TESTED SURFACE : FACE SIDE
· TYPE OF IGNITION : SURFACE IGNITION
· FLAME APPLICATION TIME : 15(s)
· PRETREATMENT : THE PRETREATMENT WAS NOT CONDUCTED BY THE CLIENT'S REQUEST.
· REQUIREMENTS : NO PART OF ANY HOLE NOR ANY PART OF THE LOWEST BOUNDARY OF ANY FLAME SHALL REACH THE TOP EDGE OR EITHER VERTICAL EDGE OF THE SAMPLE. IF ANY PART OF ANY HOLE OR ANY PART OF THE LOWEST BOUNDARY OF ANY FLAME, REACHES THE TOP EDGE OR EITHER VERTICAL EDGE, OR IF THERE IS ANY SEPARATION OF ANY FLAMING DEBRIS DROPLETS IN THE TESTING OF ONE SPECIMEN, A FURTHER SIX SPECIMENS SHALL BE TESTED. ALL SIX NEW SPECIMENS COMPLY WITH THE ABOVE REQUIREMENTS, THE FABRIC SHALL BE DEEMED TO CONFORM TO THE REQUIREMENTS FOR TYPE "B" OF THIS BRITISH STANDARD.

** End of The Report **

SAMPLE :

SPECIMEN

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TEST REPORT

REPORT NO.	: M270-20-14036
SAMPLE RECEIVED DATE	: 2020-09-14
TEST STARTED DATE	: 2020-09-14
REPORT ISSUED DATE	: 2020-09-22
PAGE	: 1 OF 3

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE FABRIC.

==========

ITEM : COLISEUM

==========

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGE.

==========

SPECIMEN

PREPARED AND CHECKED BY
FOR FITI

HONG-KWAN KIM
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

JE-GOO JUN
PRESIDENT

※ Report Verification No.: 9FSM-IYFX-UTG7 ※
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01. FLAMMABILITY (NFPA 701 : 2019, METHOD 1)

#1					
SAMPLE NO.	WEIGHT(g)		WEIGHT LOSS(%)	AFTER FLAME TIME(s)	DRIP BURN(s)
	ORIGINAL	AFTER TEST			
1	30.4	27.7	8.9	0	0
2	30.2	26.3	12.9	0	0
3	30.0	27.9	7.0	0	0
4	30.3	27.0	10.9	0	0
5	30.2	26.8	11.3	0	0
6	30.2	27.4	9.3	0	0
7	30.2	26.0	13.9	0	0
8	30.1	26.2	13.0	0	0
9	30.3	27.6	8.9	0	0
10	30.2	27.7	8.3	0	0
AVG.	30.2	27.1	10.4	0	0
CONCLUSION	BASED UPON THE RESULTS, THE SUBMITTED SAMPLE MEETS PERFORMANCE REQUIREMENTS AS STATED IN NFPA 701 TEST METHOD 1(2019).				

NOTE) · REQUIREMENT

DRIP BURN(s)	WEIGHT LOSS(%)	NO INDIVIDUAL SPECIMEN'S WEIGHT LOSS EXCEED THE MEAN VALUE PLUS 3 STANDARD. STANDARD DEVIATION = 2.31 THE MEAN VALUE PLUS 3 STANDARD = 17.4
AVG. : LESS THAN 2	AVG. : LESS THAN 40	

· TESTS WERE CONDUCTED ONLY IN THE ORIGINAL STATE BY THE CLIENT'S REQUEST.

** End of The Report **

SAMPLE :

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SGS

Test Report

No. AJFS2001000549RS **Date: JAN.21, 2020** **Page 1 of 5**

The following sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. results apply to the sample as received.

Sample Description: COLISEUM (WT-1005J)

Style/Item No.: /

Buyer:

Test Requested:

EN 13773:2003 Incorporating amendment No.1, Textiles and textile products-Burning behaviour-Curtains and drapes.

Test Results: -- See attached sheet --

Conclusion: The test sample "as received" **meets** the requirements of Class 1 specified in EN 13773:2003.

Test Period:

Sample Receiving Date	:	JAN.16, 2020
Test Performing Date	:	JAN.16, 2020 TO JAN.20, 2020

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Lab Manager

scan to see the report
AJFS2001000549RS

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Test Report

I. Test conducted

This test was conducted in accordance with EN 1101 Textiles and textile products-Burning behaviour-Curtains and drapes-Detailed procedure to determine the ignitability of vertically oriented specimen (small flame) and EN 13772 textiles and textile products-burning behaviour – curtains and drapes – measurement of flame spread of vertically oriented specimens with large ignition source classification according to EN 13773:2003 Textiles and textile products-Burning behaviour-Curtains and drapes.

II. Sample Details

Sample description / Color	Fabric / Grey
Area density	About 470 g/m^2
Products configuration	Single layer
Size of sample	200 mm×80 mm; 560 mm×170 mm

Cleaning & Conditioning Procedure: None

Conditioning Procedure

Prior to testing, the sample was conditioned at least 24 h in an atmosphere having a temperature of 20±2°C and a relative humidity of 65±5%.

At time of testing: Temperature between 10°C ~ 30°C and Relative humidity between 15% ~ 80%

SPECIMEN

III. Test results

a) EN 1101 (Test method: EN ISO 6940, Edge ignition)

Exposed Face: [√] Face; [ ] Back

Sample Number	Lengthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No
Sample Number	Widthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No

Comment : [ ] Ignition, [√] Non-ignition

To be continued….

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Test Report **No. AJFS2001000549RS** **Date: JAN.21, 2020** **Page 3 of 5**

b) EN 13772 (flame applied time, 10 s; Bottom edge ignition)

Lengthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	46	51
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([ ] Face; [√] Back)

Items	2nd	3rd
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	52	49
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

Comment: 1st marker threads not severed and no flaming debris.

Widthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	62	57
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

To be continued….

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Test Report **No. AJFS2001000549RS** **Date: JAN.21, 2020** **Page 4 of 5**

Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([√] Face; [ ] Back)

Items	2nd	3rd
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	61	60
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

Comment: 1st marker threads not severed and no flaming debris.

Additional Information for reference

1) Class definitions

Class	Ignitability	Flame spread
1	Non ignition according to EN 1101	1st marker threads not severed, no flaming debris, according to EN 13772
2	Non ignition according to EN 1101	3rd marker threads not severed, no flaming debris, according to EN 13772
3	Non ignition according to EN 1101	3rd marker threads severed, and/or flaming debris, according to EN 13772
4	Ignition according to EN 1101	3rd marker threads not severed, no flaming debris, according to EN 1102
5	Ignition according to EN 1101	3rd marker threads severed, and/or flaming debris, according to EN 1102

2) Criteria for class allocation

Class allocation according to class number is given hereafter:

1) If at least two specimens (out of six) give a result (severing the marker thread and/or flaming debris) belonging to a higher number class the material shall be given in this higher class.
2) If only one specimen (out of six) gives a result (severing the marker thread or flaming debris) belonging to a higher number class, 3 new extra specimens shall be tested in the same direction as the one giving the worst result.
3) If none of these new specimens gives a result belonging to the higher number class the material shall be classified in the lower number class
4) If at least one of the extra specimens tested gives a result belonging to the higher number class the material shall be given this class.

To be continued…

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Test Report

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

Photo Appendix:

SGS authenticate the photo on original report only

End of Report

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Acoustic Test Report - Absorption

Absorption Class: B
Calculated to EN ISO 11654:1997
Fabric: The West End Collection - Coliseum
Fullness: 50%
Cavity from Wall: 100mm

J&C Joel
the inspiration behind the performance

Data Sheet 13

See SRL report 24694-SRL-RP-XT-001-P1 for full details

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J & C Joel
Test Date: 21/08/2020

Empty Room:	**Temperature:**	21.5	°C	**Humidity:**	67	%RH	**Pressure:**	996 mbar
Room with Sample:	**Temperature:**	21.6	°C	**Humidity:**	66	%RH	**Pressure:**	997 mbar

Sample Description: The West End Collection - Coliseum - Single Layer - 50% Fullness (Approx. Weight 500g/m²) 100mm cavity from wall

Mounting Method: G - 100
Sample Area: 9 m²
Chamber Volume: 300 m³

	Test 15			
Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
*50**	*4.83*	*4.89*	*-0.01*	
*63**	*5.22*	*5.21*	*0.00*	*n/a*
*80**	*7.65*	*7.27*	*0.04*	
100	7.54	6.82	0.07	
125	7.75	6.28	0.16	0.15
160	6.51	5.05	0.24	
200	6.93	4.82	0.34	
250	6.80	4.23	0.48	0.50
315	6.68	3.69	0.65	
400	6.35	3.23	0.81	
500	5.57	2.77	0.97	0.95
630	4.92	2.50	1.05	
800	4.94	2.60	0.98	
1000	5.40	2.76	0.95	0.95
1250	5.54	2.88	0.89	
1600	5.12	2.77	0.89	
2000	4.79	2.69	0.87	0.90
2500	4.39	2.48	0.94	
3150	3.74	2.24	0.96	
4000	3.17	2.01	0.97	0.95
5000	2.59	1.76	0.97	
*6300**	*1.95*	*1.38*	*1.12*	
*8000**	*1.57*	*1.18*	*1.11*	*n/a*
*10000**	*1.11*	*0.91*	*1.03*	

α_w 0.80(H)

Class B

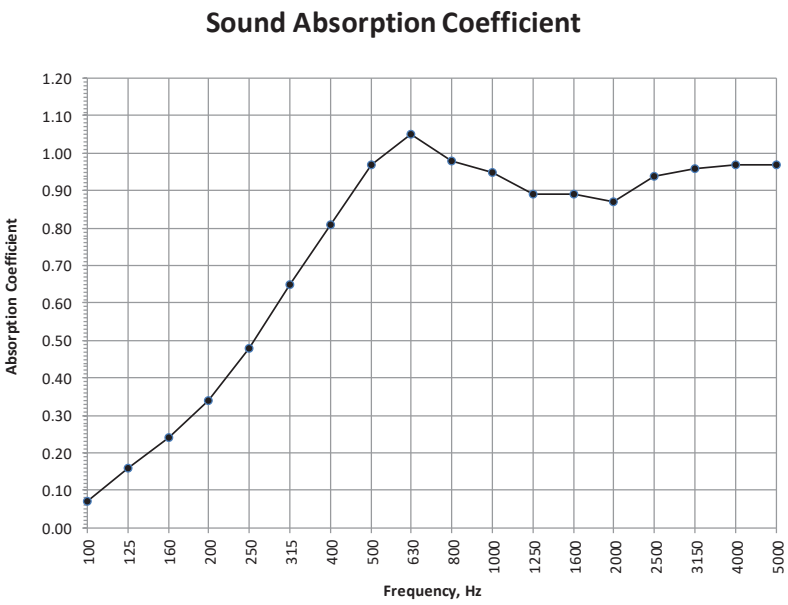
Calculated to EN ISO 11654:1997

NRC 0.80

Calculated to ASTM C423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample



Practical absorption coefficient, BS EN ISO 11654:1997

v5

Acoustic Test Report - Absorption

Absorption Class: B
Calculated to EN ISO 11654:1997
Fabric: The West End Collection - Coliseum
Fullness: 50%
Cavity from Wall: 350mm

J&C Joel
the inspiration behind the performance

Data Sheet 14

See SRL report 24694-SRL-RP-XT-001-P1 for full details

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J & C Joel
Test Date: 21/08/2020

Empty Room:	**Temperature:**	21.5	°C	**Humidity:**	67	%RH	**Pressure:**	996 mbar
Room with Sample:	**Temperature:**	21.6	°C	**Humidity:**	66	%RH	**Pressure:**	997 mbar

Sample Description: The West End Collection - Coliseum - Single Layer - 50% Fullness (Approx. Weight 500g/m²) 350mm cavity from wall

Mounting Method: G - 350
Sample Area: 9 m²
Chamber Volume: 300 m³

Test 16

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
*50**	*4.83*	*4.84*	*0.00*	
*63**	*5.22*	*4.89*	*0.07*	*n/a*
*80**	*7.65*	*6.61*	*0.11*	
100	7.54	6.58	0.10	
125	7.75	5.17	0.34	0.30
160	6.51	4.31	0.42	
200	6.93	4.20	0.50	
250	6.80	3.76	0.64	0.60
315	6.68	3.60	0.69	
400	6.35	3.31	0.77	
500	5.57	3.10	0.77	0.80
630	4.92	2.74	0.87	
800	4.94	2.61	0.97	
1000	5.40	2.78	0.94	0.95
1250	5.54	2.76	0.97	
1600	5.12	2.69	0.95	
2000	4.79	2.56	0.97	0.95
2500	4.39	2.43	0.98	
3150	3.74	2.18	1.02	
4000	3.17	1.93	1.08	1.00
5000	2.59	1.69	1.09	
*6300**	*1.95*	*1.38*	*1.12*	
*8000**	*1.57*	*1.17*	*1.15*	*n/a*
*10000**	*1.11*	*0.88*	*1.23*	

α_w 0.85(H)

Class B

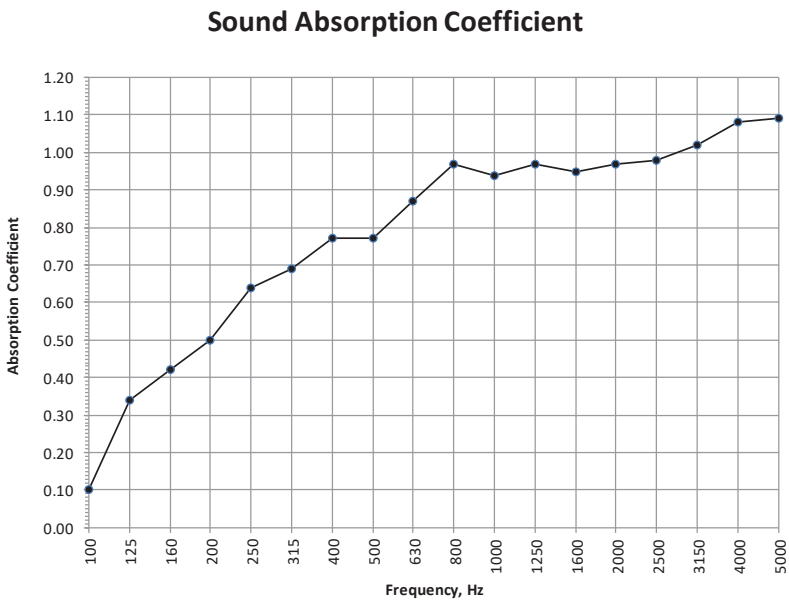
Calculated to EN ISO 11654:1997

NRC 0.85

Calculated to ASTM C 423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample



Practical absorption coefficient, BS EN ISO 11654:1997 | v5

Acoustic Test Report - Absorption

Absorption Class: A
Calculated to EN ISO 11654:1997
Fabric: The West End Collection - Coliseum
Fullness: 100%
Cavity from Wall: 100mm

J&C Joel
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Data Sheet 15

See SRL report 24694-SRL-RP-XT-001-P1 for full details

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J & C Joel
Test Date: 21/08/2020

Empty Room:	**Temperature:**	21.5	°C	**Humidity:**	67	%RH	**Pressure:**	996 mbar
Room with Sample:	**Temperature:**	21.6	°C	**Humidity:**	66	%RH	**Pressure:**	997 mbar

Sample Description: The West End Collection - Coliseum - Single Layer - 100% Fullness (Approx. Weight 500g/m²) 100mm cavity from wall

Mounting Method: G - 100
Sample Area: 9 m²
Chamber Volume: 300 m³

Test 17

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
*50**	*4.83*	*4.90*	*-0.02*	
*63**	*5.22*	*5.07*	*0.03*	*n/a*
*80**	*7.65*	*7.24*	*0.04*	
100	7.54	6.85	0.07	
125	7.75	5.48	0.29	0.20
160	6.51	4.75	0.30	
200	6.93	4.36	0.46	
250	6.80	3.84	0.61	0.60
315	6.68	3.52	0.72	
400	6.35	3.09	0.89	
500	5.57	2.76	0.98	0.95
630	4.92	2.56	1.00	
800	4.94	2.58	0.99	
1000	5.40	2.79	0.93	0.95
1250	5.54	2.83	0.93	
1600	5.12	2.77	0.89	
2000	4.79	2.63	0.92	0.90
2500	4.39	2.46	0.96	
3150	3.74	2.23	0.97	
4000	3.17	1.98	1.01	1.00
5000	2.59	1.73	1.02	
*6300**	*1.95*	*1.38*	*1.12*	
*8000**	*1.57*	*1.18*	*1.11*	*n/a*
*10000**	*1.11*	*0.93*	*0.90*	

α_w 0.90

Class A

Calculated to EN ISO 11654:1997

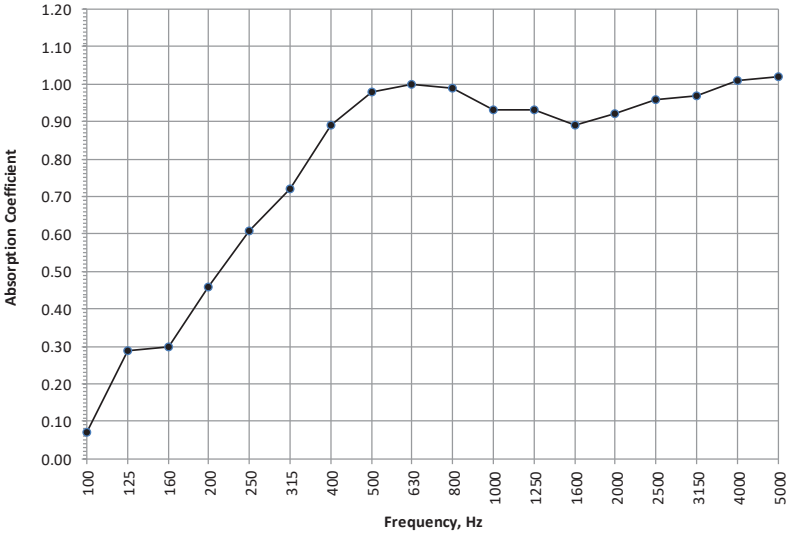
NRC 0.85

Calculated to ASTM C423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample

Sound Absorption Coefficient



Practical absorption coefficient, BS EN ISO 11654:1997

v5

Acoustic Test Report - Absorption

Absorption Class: A
Calculated to EN ISO 11654:1997
Fabric: The West End Collection - Coliseum
Fullness: 100%
Cavity from Wall: 350mm

J&C Joel
the inspiration behind the performance

Data Sheet 16

See SRL report 24694-SRL-RP-XT-001-P1 for full details

The Laboratory Measurement of Random Incidence Sound Absorption generally to BS EN ISO 354:2003

Client: J & C Joel
Test Date: 21/08/2020

Empty Room:	**Temperature:**	21.5	°C	**Humidity:**	67	%RH	**Pressure:**	996 mbar
Room with Sample:	**Temperature:**	21.6	°C	**Humidity:**	66	%RH	**Pressure:**	997 mbar

Sample Description: The West End Collection - Coliseum - Single Layer - 100% Fullness (Approx. Weight 500g/m²) 350mm cavity from wall

Mounting Method: G - 350
Sample Area: 9 m²
Chamber Volume: 300 m³

Test 18

Freq Hz	T1 sec	T2 sec	Absorp Coeff α_s	Practical Absorp Coeff #
*50**	*4.83*	*4.78*	*0.01*	
*63**	*5.22*	*4.97*	*0.05*	*n/a*
*80**	*7.65*	*6.36*	*0.14*	
100	7.54	6.48	0.12	
125	7.75	5.21	0.34	0.30
160	6.51	4.40	0.39	
200	6.93	4.20	0.50	
250	6.80	3.68	0.67	0.65
315	6.68	3.44	0.76	
400	6.35	3.26	0.80	
500	5.57	2.94	0.86	0.85
630	4.92	2.68	0.91	
800	4.94	2.58	0.99	
1000	5.40	2.69	1.00	1.00
1250	5.54	2.67	1.04	
1600	5.12	2.57	1.04	
2000	4.79	2.45	1.07	1.00
2500	4.39	2.34	1.07	
3150	3.74	2.10	1.12	
4000	3.17	1.88	1.15	1.00
5000	2.59	1.67	1.13	
*6300**	*1.95*	*1.36*	*1.18*	
*8000**	*1.57*	*1.14*	*1.27*	*n/a*
*10000**	*1.11*	*0.89*	*1.16*	

α_w 0.90

Class A

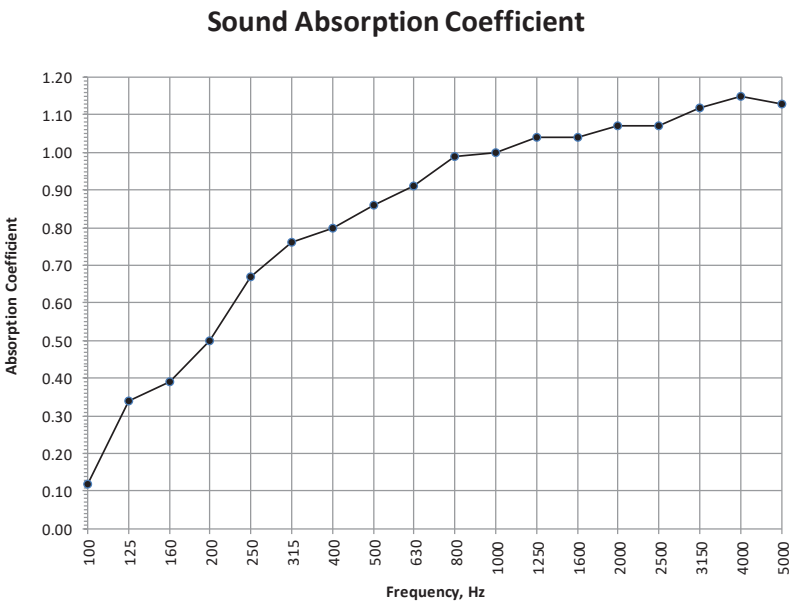
Calculated to EN ISO 11654:1997

NRC 0.90

Calculated to ASTM C423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample



Practical absorption coefficient, BS EN ISO 11654:1997

v5

(07791) 79, Magokjungang 8-ro 3-gil, Gangseo-gu, Seoul
Tel : 02-3299-8053~4 Fax : 02-3299-8153

TEST REPORT

REPORT NO.	: H214-21-00185
SAMPLE RECEIVED DATE	: 2021-01-07
TEST STARTED DATE	: 2021-01-07
REPORT ISSUED DATE	: 2021-01-14
PAGE	: 1 OF 2

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE KNIT FABRIC.

==========

ITEM : COLISEUM 500GSM

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TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.
THE TESTED SPECIMENS WERE RETURNED TO THE APPLICANT WITH THIS REPORT.

==========

PREPARED AND CHECKED BY
FOR FITI

HYUN-JIN, KOO
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

JE-GOO JUN
PRESIDENT

※ **Report Verification No.: PL2F-5LE7-8VE4** ※
(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

e-DOCUMENT SERVICE

The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality certification of sample by the FITI quality certification program unless specifically requested by the client. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the FITI.
This test report is irrelevant to KS Q ISO/IEC 17025 and KOLAS accreditation.

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REPORT NO. : H214-21-00185
PAGE : 2 OF 2

01. COLORFASTNESS TO ARTIFICIAL LIGHT : XENON ARC FADING LAMP TEST (EN ISO 105 B02, METHOD 3 MODIFIED, EXPOSURE CYCLE A1) : GRADE

	#1
BLUE WOOL REFERENCE 6	5-6

NOTE) THE APPARATUS USED : ATLAS WEATHER OMETER

02. ABRASION RESISTANCE (DIN EN ISO 12947-2 : 2016, MARTINDALE METHOD) : RUBS

	#1
	ABOVE 50 000

NOTE) SPECIMEN : PILE FABRIC
THE MASS AND NOMINAL PRESSURE : (595 ± 7) g, 9 kPa
END POINT : FULLY WORN OFF AREA

** End of The Report **

- SAMPLE PHOTO -

e-DOCUMENT SERVICE
The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality certification of sample by the FITI quality certification program unless specifically requested by the client. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the FITI.
This test report is irrelevant to KS Q ISO/IEC 17025 and KOLAS accreditation.

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the inspiration behind the performance

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