



J&C Joel [™]
Inspiration in every performance

ACOUSTIC
SOLUTIONS

www.jcjoel.com

Welcome

Since the late 1970s, J&C Joel has been a trusted provider of wool serge for performing arts spaces and more. The fabric is renowned for its masking properties, durability, cost-effectiveness and impressive acoustic absorption. J&C Joel measures these qualities objectively, using third-party test facilities to reassure our customers that the drapes and banners they are purchasing from J&C Joel are independently verified to meet rigorous performance standards.

Over the years, J&C Joel has built up an impressive array of acoustic fabrics. This includes seven different constructions of serge ranging from 420g/m² to 1,000g/m², bonded wool serge and heavyweight cotton and synthetic velvets. As well as acoustic drapery, J&C Joel has developed mechanisms that allow for vertical deployment of absorptive surfaces. These banners empower venues by allowing them to fine-tune their acoustic environments in a way that enhances the performance experience.

We have conducted comprehensive tests to measure absorption coefficients, as well as insulation tests to determine the decibel reduction index for our multilayered drapery. Our test reports are available upon request. These valuable resources will serve as an essential reference for acousticians, theatre consultants, venue managers and all professionals involved in performance spaces.

As the range of fabrics and acoustic devices continues to expand at J&C Joel, our documents will be updated to reflect these advancements. We welcome your feedback and suggestions on the data we provide, as our goal is to empower individuals to understand the exceptional acoustic attributes of our offerings.

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Basic 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.

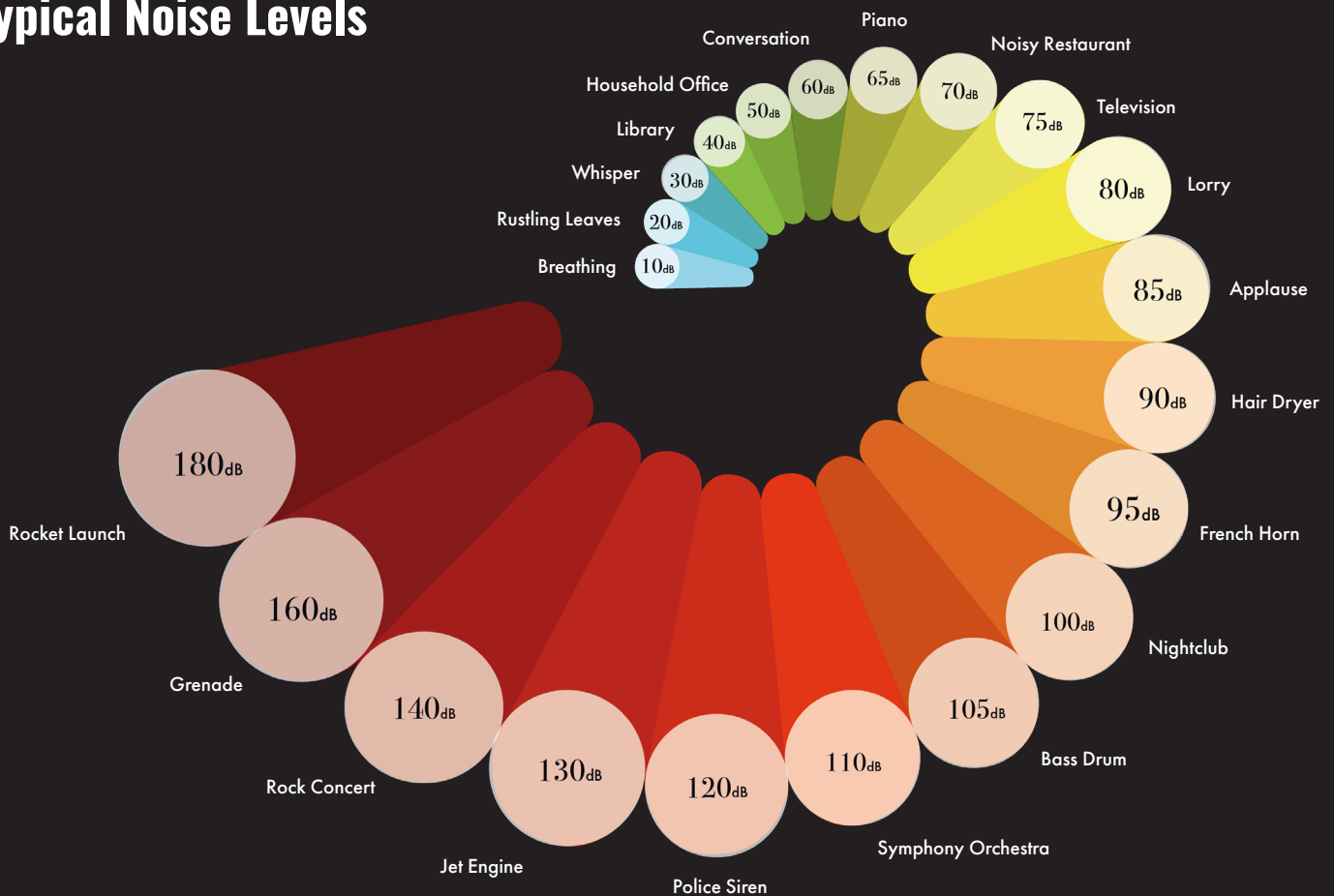
We would always advise you to seek input from a professional acoustician. Our expert team is always on hand to facilitate such a conversation, offering guidance and support as to which products are most suitable to meet your needs.

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.

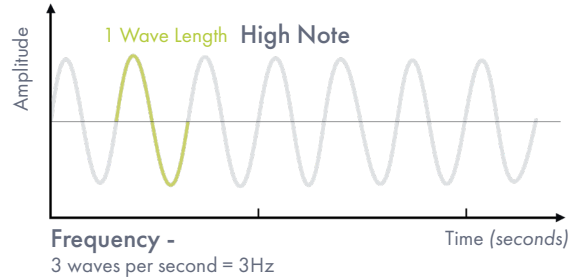
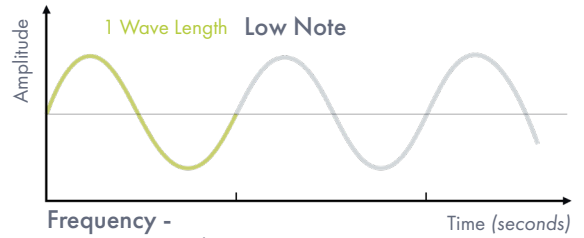
Typical Noise Levels



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.

Sound waves interact with objects in a room differently and can cause acoustic issues. Low frequencies are more difficult to control, due to short reverberation times and often full acoustic solutions are required to deal with these. Mid or high frequencies have a longer line of reverberation, so it's important to understand the sound you are dealing with.

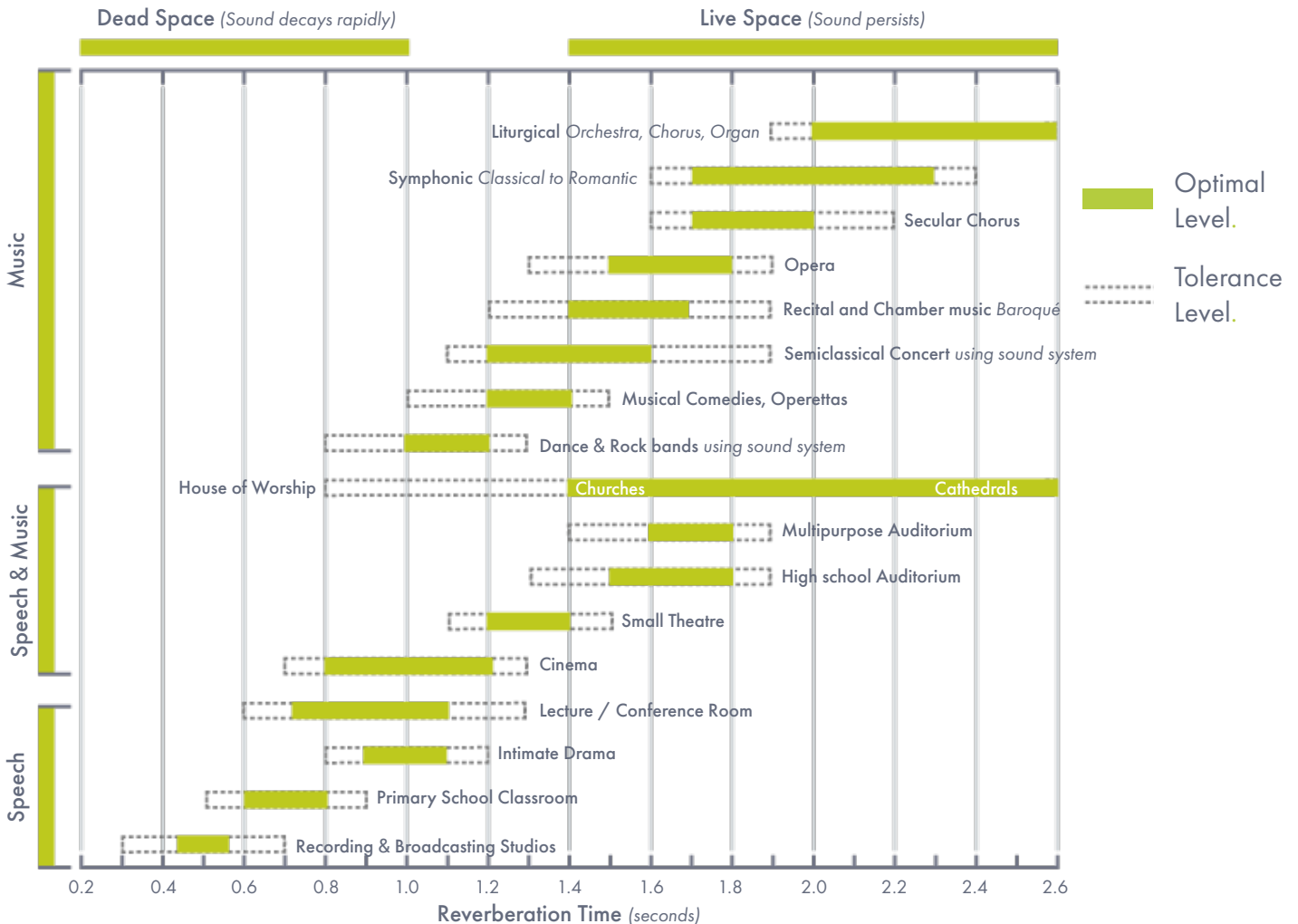


Reverberation Time

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.

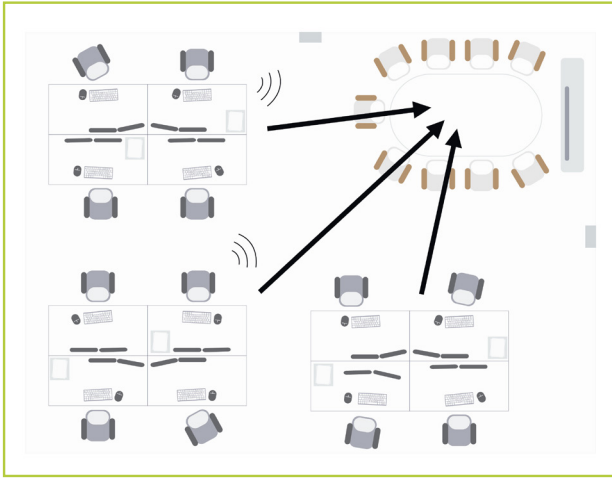
In order to enhance the experience for your audience, it is vital to understand the acoustic requirements of the performance as these need to be in harmony with the reverberation time of the space.



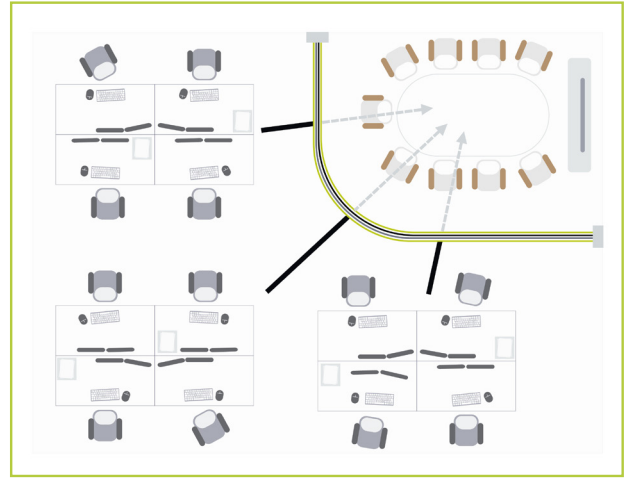
Sound Absorption and Insulation

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

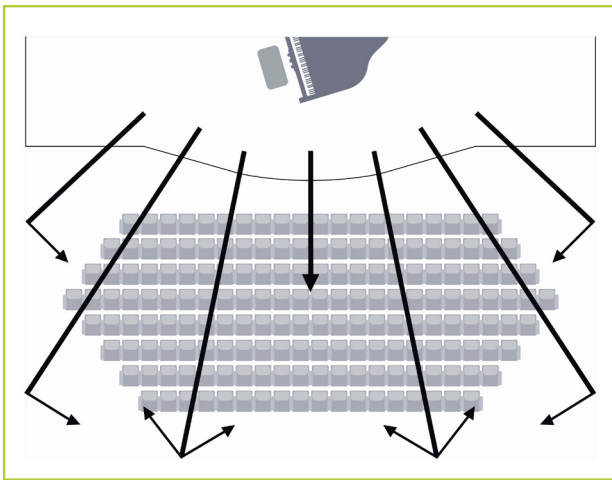


Solution - Acoustically Insulating Drapes

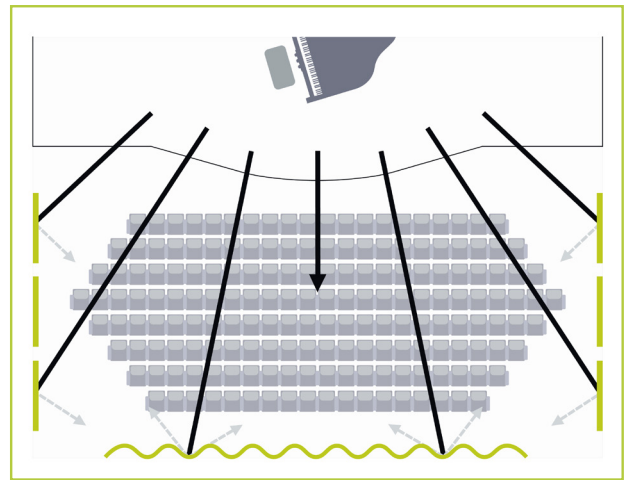


Multilayered drapery can be installed in open office environments to create privacy and prevent sound transmission.

Issue - Slapback Echo

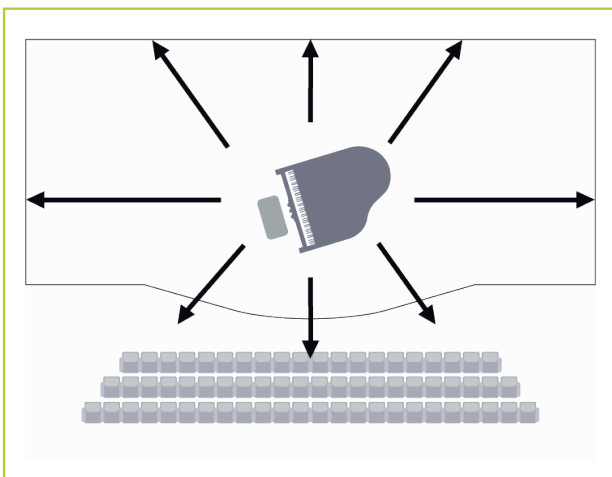


Solution - Measured Absorption

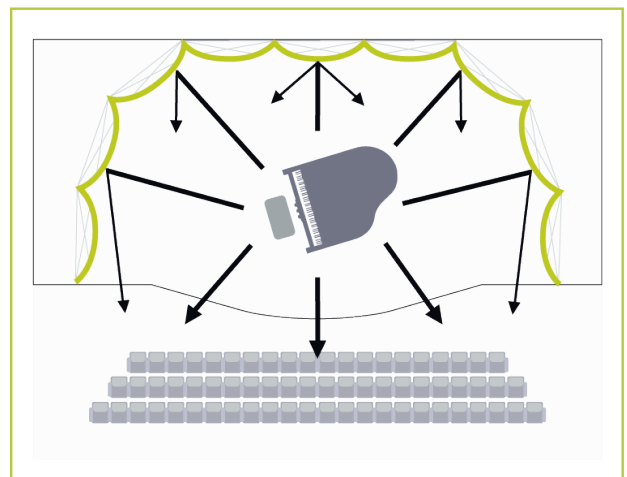


Acoustic drapery, banners and panels can be used to absorb slapback echo within auditoriums and performance venues.

Issue - Sound Dissipation



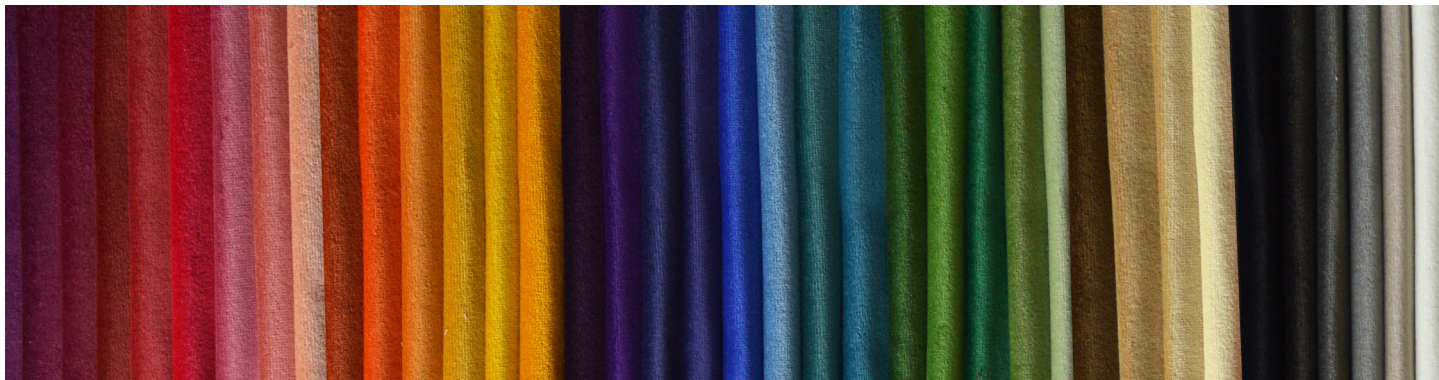
Solution - Positive Reflection



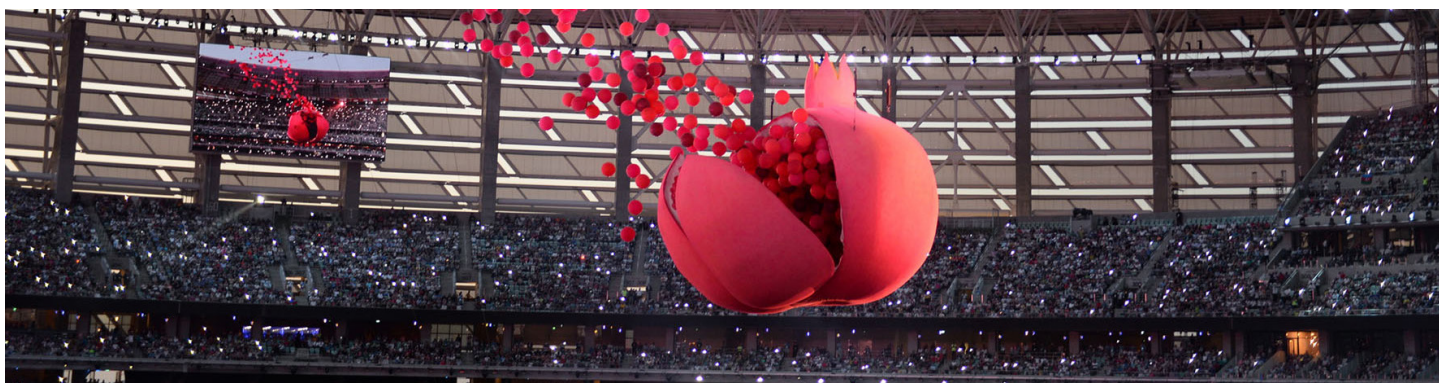
Acoustic shell systems can be installed on stage to reflect lost sound towards the audience.

We Also Do:

Fabrics and Flooring



Drapes and Shapes



Stage Engineering and Maintenance Services



Track and Drapery Systems



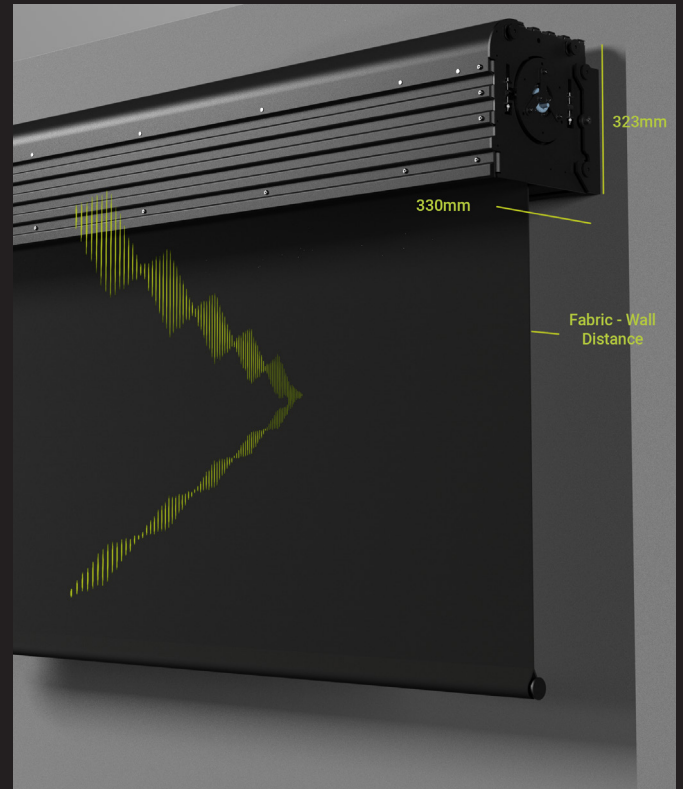
Contact our expert sales team in your local region for assistance: sales@jcjoel.com



VARIABLE ACOUSTIC BANNER RANGE

Cadenza, Legato, Duet and Concerto Acoustic Banners transform any performance space into a flexible, finely tuned acoustic environment, while remaining discreet, elegant and easy to operate. They are designed and manufactured in the UK, and our acoustic banners are ideal for theatres, concert halls, arenas, studios, schools and multi-purpose venues that demand both the clarity and control of sound.

Cadenza Acoustic Banner



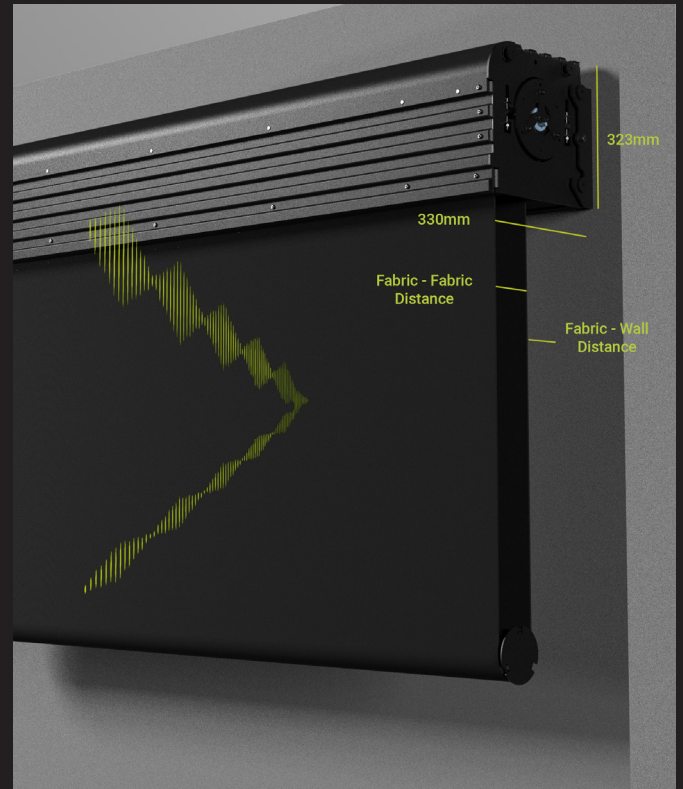
The Cadenza Acoustic Roller Banner is an ideal, budget-friendly choice for venues that require effective reverberation control without a complex footprint.

- Acoustic Absorption Rating: Class B (EN ISO 11654:1997) via a single layer of Bonded Wool Serge (available in 1,130g/m², 1,000g/m² and 840g/m²).
- Coverage: Up to 40m² maximum absorbent area.
- Dimensions: Max Width: 5m | Max Drop: 9m.
- Speed: Fast deployment at ~140mm/s (5m drop in just 35 seconds).

Acoustic Absorption Coefficient

Fabric	Fabric-Wall Distance mm	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	Class	SAC Classification
Bonded Wool Serge 565	100	0.10	0.40	1.00	0.90	0.80	0.95	C	0.70
	150	0.26	0.90	1.00	0.81	0.77	0.79	B	0.80
Bonded Wool Serge 420	350	0.25	0.65	0.95	0.85	0.85	1.00	B	0.85
	100	0.10	0.40	1.01	0.85	0.75	0.85	C	0.70
Bonded Coloured Wool Serge	350	0.25	0.65	0.80	0.80	0.80	0.95	B	0.80
	150	0.22	0.91	0.98	0.88	0.75	0.85	B	0.85

Legato Acoustic Banner



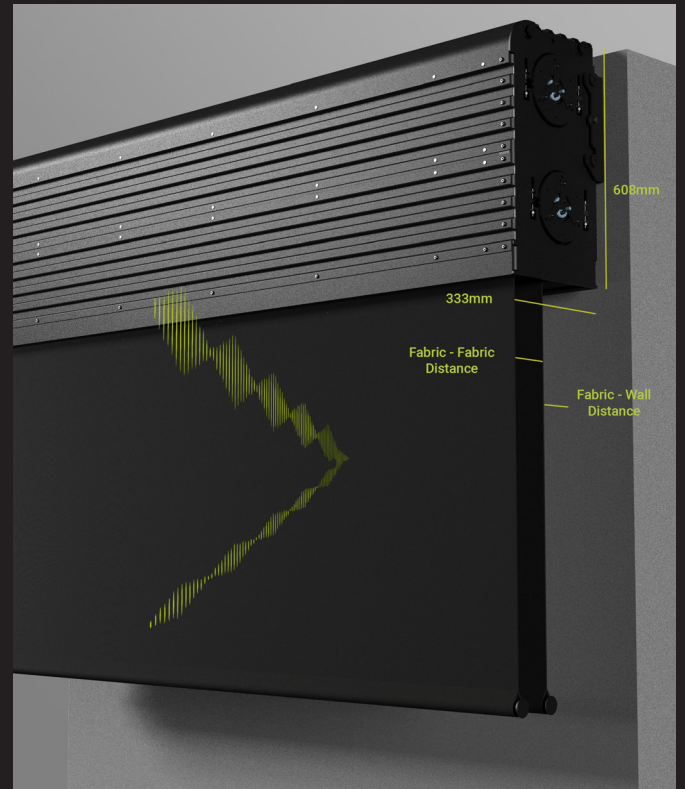
The Legato Acoustic Roller Banner allows improved acoustic absorption by deploying two layers of Bonded Wool Serge.

- Acoustic Absorption Rating: Class A (EN ISO 11654:1997) via dual layers of Bonded Wool Serge (available in 1,130g/m², 1,000g/m² and 840g/m²).
- Coverage: Up to 20m² of double-layered fabric.
- Dimensions: Max Width: 5m | Max Drop: 4.5m.
- Speed: Fast deployment at ~80mm/s (5m drop in just 60 seconds).

Acoustic Absorption Coefficient

Fabric	Fabric-Wall Distance mm	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	Class	SAC Classification
Bonded Wool Serge 565	100	0.30	0.70	1.00	1.00	1.00	1.00	A	1.00
	350	0.40	0.70	1.00	0.90	0.90	0.95	A	1.00
Bonded Wool Serge 565 (Enclosed)	100	0.41	0.79	0.95	0.88	0.84	0.85	A	0.90
	350	0.38	0.79	1.01	1.00	0.95	1.00	A	1.00
Bonded Coloured Wool Serge	100	0.30	0.50	0.80	0.90	0.80	0.90	B	0.80
	350	0.30	0.50	0.90	1.00	0.95	1.00	B	0.85
Bonded Coloured Wool Serge (Enclosed)	100	0.46	0.87	1.01	0.95	0.87	0.87	A	0.95
	350	0.38	0.83	1.04	1.04	0.96	0.98	A	0.95

Duet Acoustic Banner



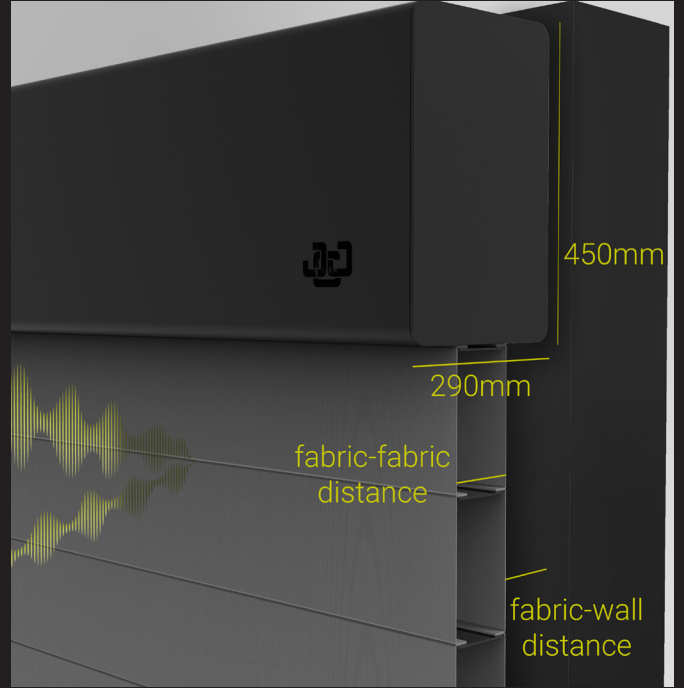
The Duet Acoustic Roller Banner combines the superior absorption of the Legato with the extended reach and speed of the Cadenza.

- Acoustic Absorption Rating: Class A (EN ISO 11654:1997) via dual layers of Bonded Wool Serge (available in 1,130g/m², 1,000g/m² and 840g/m²).
- Coverage: Up to 40m² maximum absorbent area.
- Dimensions: Max Width: 5m | Max Drop: 9m.
- Speed: Rapid deployment at ~140mm/s (5m drop in just 35 seconds).

Acoustic Absorption Coefficient

Fabric	Fabric-Wall Distance mm	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	Class	SAC Classification
Bonded Wool Serge 565	100	0.30	0.70	1.00	1.00	1.00	1.00	A	1.00
	350	0.40	0.70	1.00	0.90	0.90	0.95	A	1.00
Bonded Wool Serge 565 (Enclosed)	100	0.41	0.79	0.95	0.88	0.84	0.85	A	0.90
	350	0.38	0.79	1.01	1.00	0.95	1.00	A	1.00
Bonded Coloured Wool Serge	100	0.30	0.50	0.80	0.90	0.80	0.90	B	0.80
	350	0.30	0.50	0.90	1.00	0.95	1.00	B	0.85
Bonded Coloured Wool Serge (Enclosed)	100	0.46	0.87	1.01	0.95	0.87	0.87	A	0.95
	350	0.38	0.83	1.04	1.04	0.96	0.98	A	0.95

Concerto Acoustic Banner

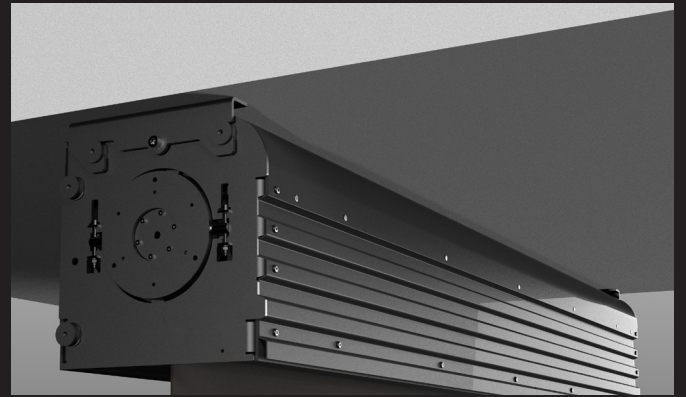
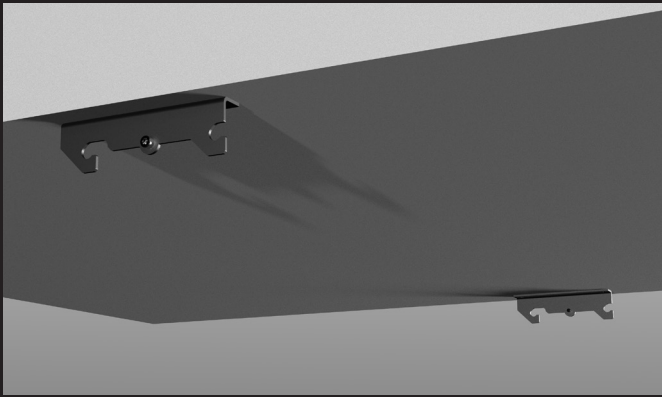
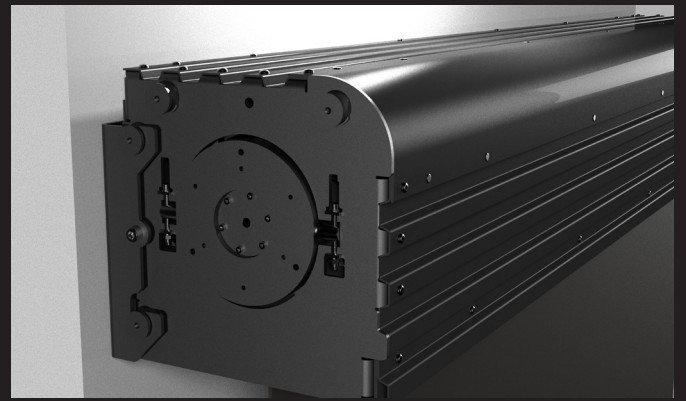


The Concerto offers J&C Joel's most advanced acoustic control. This concertina-style banner uses industrial-grade lifting technology for reliability and safety. The Tay Wool Serge it uses is a premium product which absorbs well in low frequencies.

- Acoustic Absorption Rating: Class A (EN ISO 11654:1997) via dual layers of Tay Wool Serge (625g/m²).
- Coverage: Massive absorption area of up to 50m²
- Dimensions: Max Width: 6m | Max Drop: 20m.
- Speed: Operating speeds of 100–150mm/s for rapid venue transformation.

Acoustic Absorption Coefficient

Fabric	Fabric-Fabric Distance mm	Fabric-Wall Distance mm	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	Class	SAC Classification
Pressed Tay Wool Serge	100	100	0.40	0.80	1.00	1.00	0.90	0.95	A	1.00
	100	350	0.50	0.70	1.00	1.00	1.00	0.95	A	1.00
	150	100	0.50	0.80	1.00	0.95	0.95	1.00	A	0.95
	150	350	0.50	0.80	1.00	1.00	1.00	1.00	A	1.00
Pressed Tay Wool Serge (Enclosed)	100	100	0.75	0.90	1.00	0.95	0.85	0.90	A	0.95
	100	350	0.65	0.85	1.00	1.00	0.95	0.95	A	1.00
	150	100	0.75	0.95	1.00	0.90	0.90	0.95	A	1.00
	150	350	0.75	0.95	1.00	1.00	1.00	1.00	A	1.00



Installation

Mounting brackets provide a simple wall or ceiling fix. The same part is used for both scenarios. Once the brackets are fixed, the banner slots into place and is fixed with a bolt. J&C Joel can provide full installation services or supply mechanical and electrical drawings to aid your installation.

Engineered for Performance

Our three Roller Banners utilise sustainable Bonded Wool Serge. A recycled wool product available in weights of 1,130g/m², 1,000g/m² and 840g/m² to fine-tune absorption.

Standard Fabric Colour: Black

Custom: 10 standard colours available for 1,000g/m² fabric. Custom dyeing available on request (subject to MOQ).

Proven Acoustic Data

We don't guess; we test. Our systems are rigorously tested by third parties at predefined wall distances (100mm, 150mm, & 350mm centres) to ensure you get the exact reverberation reduction your project demands.

Full independent acoustic test reports are available upon request.

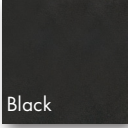




Fabrics for Roller Banners

Bonded Wool Serge 565



Acoustic

Two layers of our Wool Serge 565, bonded together for a more stable structure.

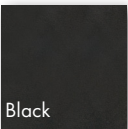




				
Black BWS090	Colour Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 1130 g/m ²

Bonded Wool Serge 420



Acoustic

Two layers of our Wool Serge 420, bonded together for a more stable structure.

				
Black BWS058	Colour Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 840 g/m ²








Bonded Coloured Wool Serge



Acoustic

Two layers of our Coloured Wool Serge, bonded together for a more stable structure.

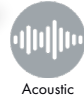
									
Plum BWS006	Scarlet BWS005	Cognac BWS011	Gold BWS010	Midnight BWS009	Oxford BWS008	Marine BWS007	TV Blue BWS016	Ultra Blue BWS017	Chroma Key Blue BWS018
									
Mole BWS012	Bottle BWS015	Emerald BWS014	Chroma Key Green BWS019	Original Grey BWS056	Black BWS057	Slate BWS013	Natural BWS020		

						
Colours Available	Approx Roll Length: 57m / 187ft	Width: 150cm / 59"	Weight: 1000 g/m ²	Fire Rating: IFR	Fire Certification: BS5867, IMO	Custom Dye Available*

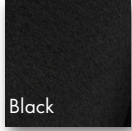
*CUSTOM DYE price on application, 4 wk lead time *BONDING 3 wk lead time *DYE & BOND 7 wk lead time

Fabric for Concertina Banners

Pressed Tay Wool Serge



Our Tay Wool Serge, with a pressed finish, suitable for use on our concertina banners.



WS095



WS094



Colours Available



Approx Roll Length:
25m / 82ft



Width:
150cm / 59"



Weight:
625 g/m²



FR Rating:
IFR

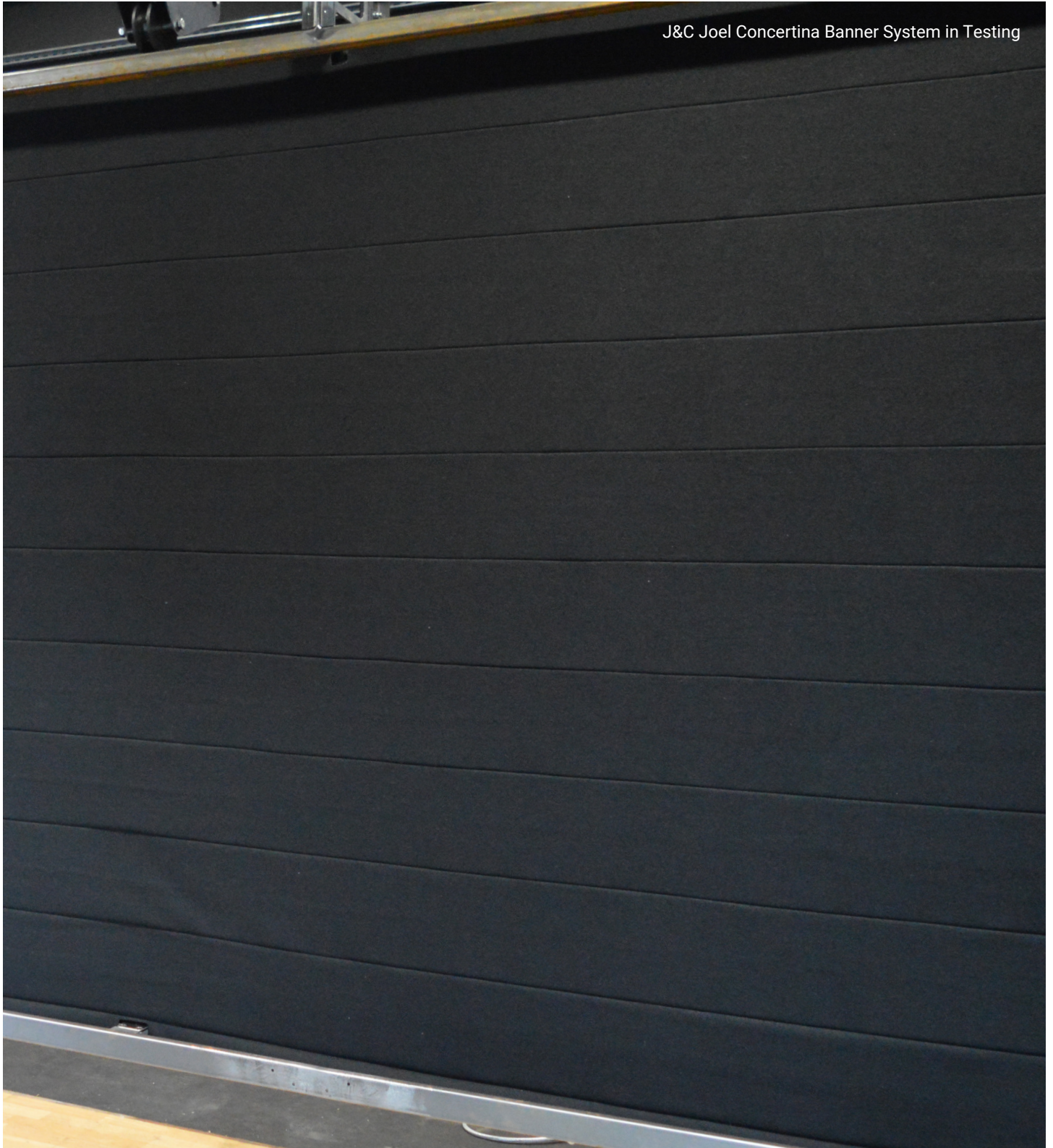


FR Certification:
BS5867



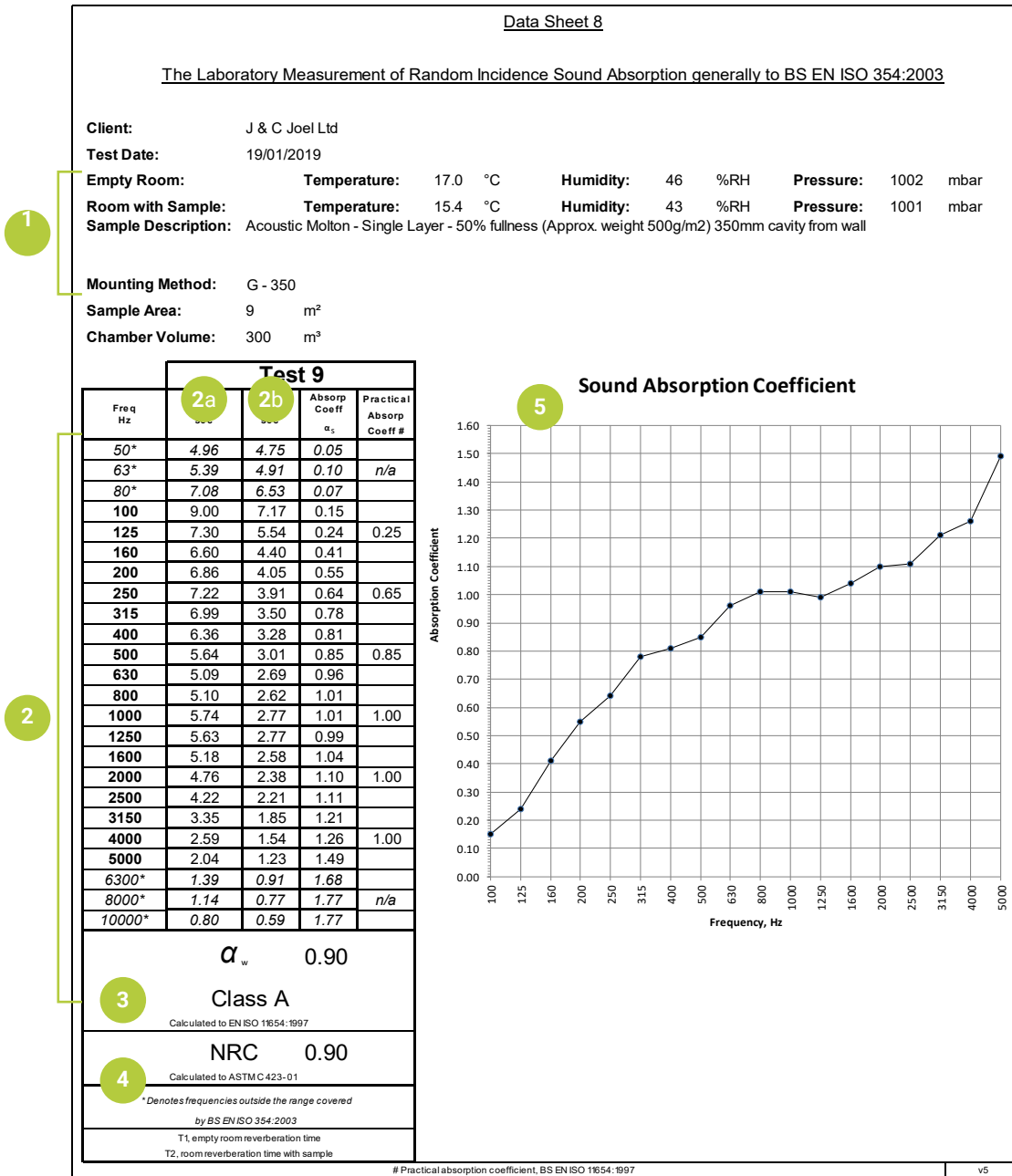
Custom Dye Available*

*CUSTOM DYE price on application, 4 wk lead time, MOQ 4 rolls



Acoustic Test Reports Explanation

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. Alternatively please contact one of our team for technical advice or information.



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.

Sample Description Explanation

The layout of sample descriptions on acoustic reports:

(Fabric Type - Acoustic Layers - Fullness - (Weight) - Cavity From the Wall)

The '**Fabric Type**' refers to the fabric that is being acoustically tested for this article.

'**Acoustic layers**' applies to the layers of the fabric examined in the report. For our Motorised Banners reports, multiple acoustic layers can be bonded & pressed to give the fabric, a larger acoustic absorption coefficient.

The '**Fullness**' of a drape refers to the amount of fabric, used during manufacture to produce a pleated finish.

The '**Weight**' stated on the reports refers to the approximate weight of the fabric per square meter.

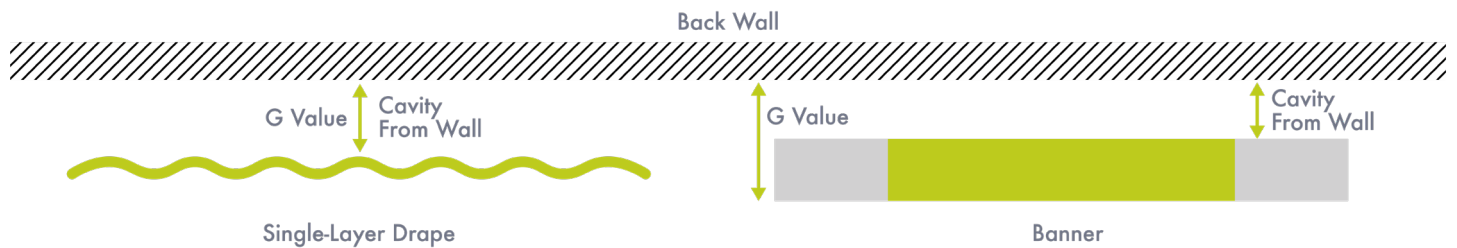
'**Cavity From the Wall**' is the distance between the fabric and the back wall.

Differentiation of G-Value and Cavity From the Wall

Cavity From the Wall - The test specimen is hung parallel to the room surface. The suffix of the mounting type is the distance in millimetres from the back of the test specimen and the wall.

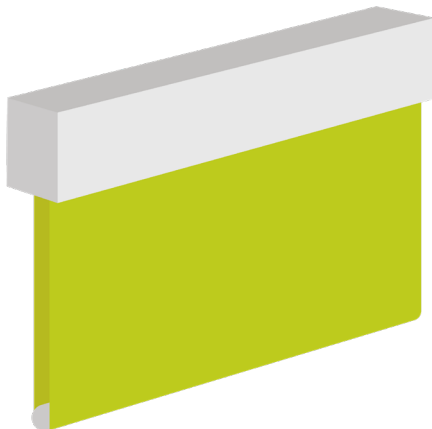
G-Value - The test specimen is hung parallel to the room surface. The suffix of the mounting type is the distance in millimetres from the face of the test specimen and the wall.

Please refer to the diagram below.

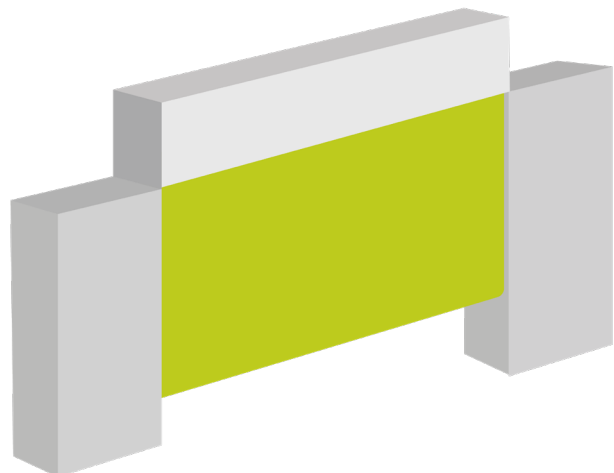


Banner Housing Within a Recess

Acoustic Banner Without a Recess



Acoustic Banner Within a Recess













ACOUSTIC DRAPERY

Wool Serge 420

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	D	0.50	Available on Request
Flat	350mm	C	0.65	Available on Request
50%	100mm	C	0.75	Available on Request
50%	350mm	B	0.85	Available on Request
100%	100mm	B	0.85	Available on Request
100%	350mm	A	0.95	Available on Request

Black
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



Cardinal Heenan Catholic High School, Liverpool - Wool Serge 420 (WS100)

Wool Serge 565

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	D	0.55	Available on Request
Flat	350mm	C	0.70	Available on Request
50%	100mm	B	0.80	Available on Request
50%	350mm	B	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	0.90	Available on Request


Black
 WS090



Colour Available




Approx Roll Length:
57m / 187ft



Width:
150cm / 59"



Weight:
565 g/m²



FR Rating:
IFR



FR Certification:
**B55867, 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



Bonus Arena, Hull - Wool Serge 565 (WS090)









Wool Serge 650

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	C	0.60	Available on Request
Flat	350mm	C	0.75	Available on Request
50%	100mm	B	0.80	Available on Request
50%	350mm	A	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	1.00	Available on Request

Black

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 off stage areas and equipment.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	C	0.65	Available on Request
Flat	350mm	C	0.75	Available on Request
50%	100mm	B	0.85	Available on Request
50%	350mm	A	0.95	Available on Request
100%	100mm	A	0.95	Available on Request
100%	350mm	A	1.00	Available on Request

Black

WS022



Colour Available



Approx Roll Length:
38m / 125ft



Width:
150cm / 59"



Weight:
800 g/m²



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

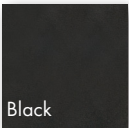


QVC Studios, London - Wool Serge 800 (WS022)

Wool Serge 1000









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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	B	0.80	Available on Request
Flat	350mm	B	0.80	Available on Request
50%	100mm	A	1.00	Available on Request
50%	350mm	A	1.00	Available on Request
100%	100mm	A	1.00	Available on Request
100%	350mm	A	1.00	Available on Request



Black

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

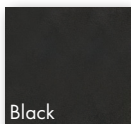


Sample of Wool Serge 1000 (WS055)

Wool Serge 1.8

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
50%	100mm	B	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	0.90	Available on Request



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

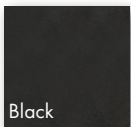


Wool Serge 1.8 (WS180)

Euro Wool Serge

A hard-wearing fabric perfect for the touring market, manufactured specifically to meet B1 and M1 FR standards.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	350mm	C	0.75	Available on Request
50%	100mm	B	0.85	Available on Request
50%	350mm	B	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	1.00	Available on Request



Black

WS040VW



Colour Available



Approx Roll Length:
57m / 187ft



Width:
150cm / 59"



Weight:
786 g/m²



FR Rating:
DFR



FR Certification:
BS5867, M1, NFPA 701



Fabric Thickness:
*1.90 mm



Custom Dye
N/A

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



Sample of Euro Wool Serge (WS040)

Coloured Wool Serge

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
50%	100mm	B	0.80	Available on Request
50%	350mm	B	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	0.90	Available on Request



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



Brighton College, UAE - Coloured Wool Serge (WS017)

A close-up photograph of several rolls of fabric stacked on top of each other. The top roll is a vibrant teal color, followed by a brown roll, and then a light green roll. The bottom right corner shows a dark, textured surface, possibly leather. The word "VELVETS" is printed in white, bold, uppercase letters across the middle of the image.

VELVETS

Royal

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
50%	100mm	C	0.60	Available on Request
50%	350mm	C	0.75	Available on Request
100%	100mm	C	0.70	Available on Request
100%	350mm	C	0.75	Available on Request

8 Stocked Colours



27 Non-Stocked Colours. Available in full rolls only. Subject to availability.



Please note that custom dyed colours are subject to a lab dip cost of £200, and a MOQ of 8 Rolls.

Colours Available	Approx Roll Length: 55m / 180ft	Width: 140cm / 55"	Weight: 375 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, EN13773, NFPA 701, IMO	Fabric Thickness: 1.35 mm	Custom Dye Available*

The West End Collection - Coliseum

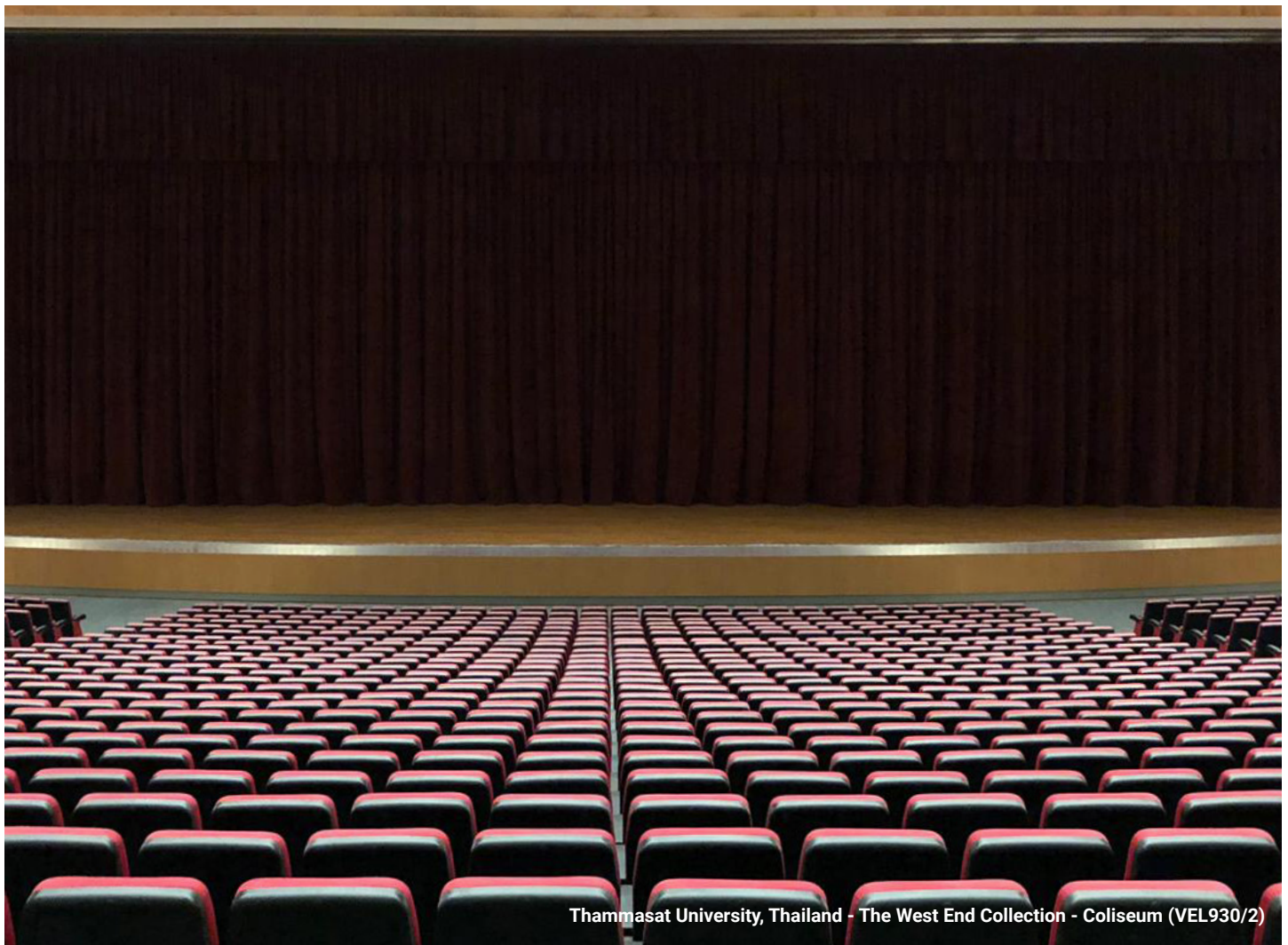
A knitted, synthetic based velvet collection that imitates traditional velvets. Developed to incorporate a longer pile, the West End velvets provide a rich sheen to enhance the colour and overall appearance, without compromising the hard wearing properties.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
50%	100mm	B	0.80	Available on Request
50%	350mm	B	0.85	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	0.90	Available on Request



- 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



Thammasat University, Thailand - The West End Collection - Coliseum (VEL930/2)

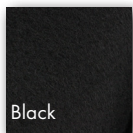


OTHER FABRICS

Acoustic Molton

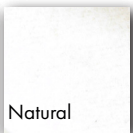
A Molton that combines great masking properties with excellent acoustic absorption, also known as Calmuc.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	C	0.60	Available on Request
Flat	350mm	C	0.65	Available on Request
50%	350mm	A	0.90	Available on Request
100%	100mm	A	0.90	Available on Request
100%	350mm	A	0.95	Available on Request



Black

MOL030



Natural

MOL031



Colours Available



Approx Bale Length:
30m / 98ft



Width:
300cm / 118"



Weight:
500 g/m²



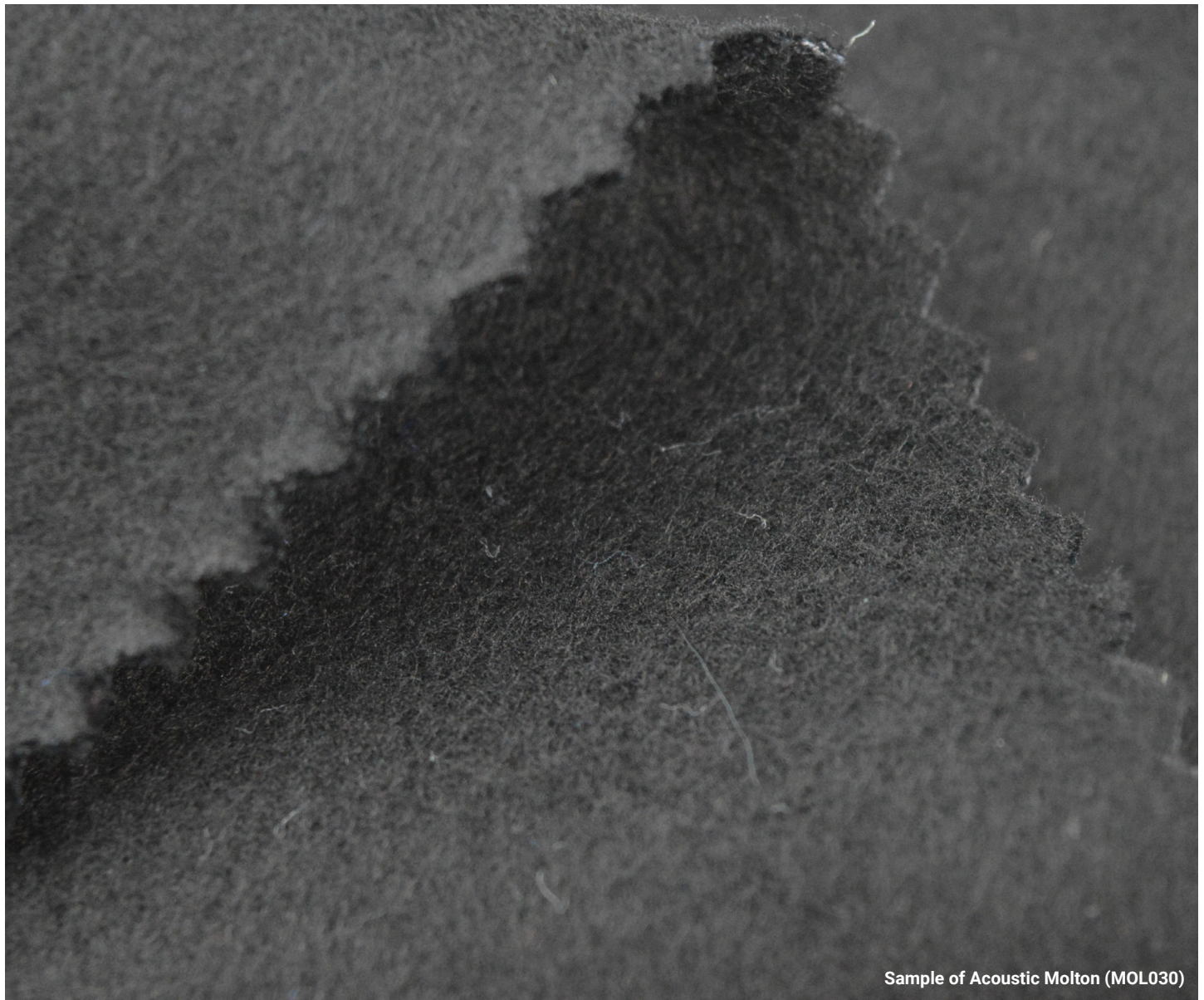
FR Rating:
NDFR



FR Certification:
BS5867, M1, B1



Custom Dye
N/A

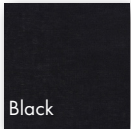


Sample of Acoustic Molton (MOL030)

Acoustic Transparent

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	E	0.25	Available on Request
Flat	350mm	E	0.25	Available on Request



Black

ACT001



Colour Available



Approx Bale Length:
60m / 197ft



Width:
260cm / 102"



Weight:
140 g/m²



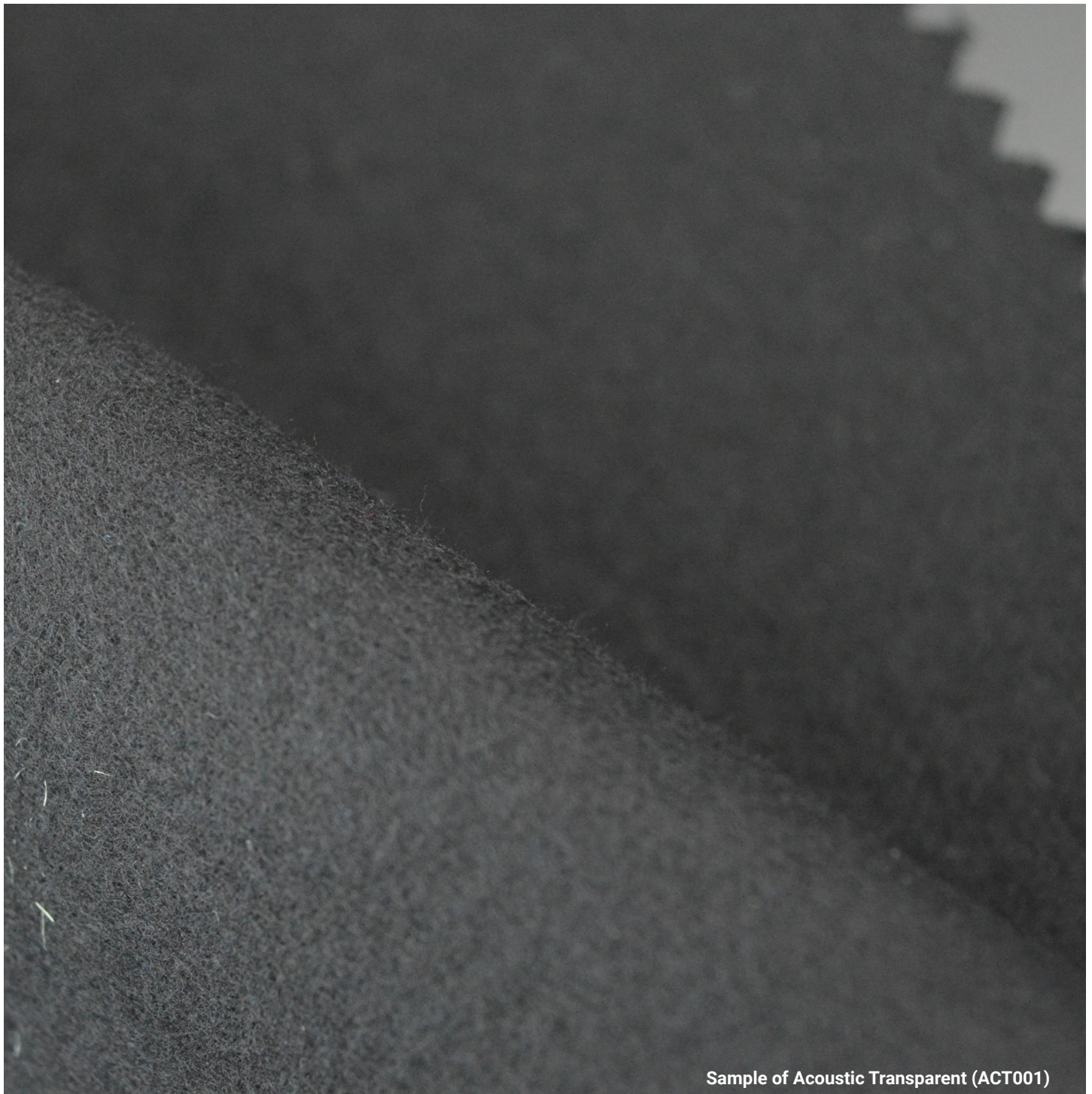
FR Rating:
NDFR



FR Certification:
BS5867, M1, B1, EN13773



Custom Dye
N/A

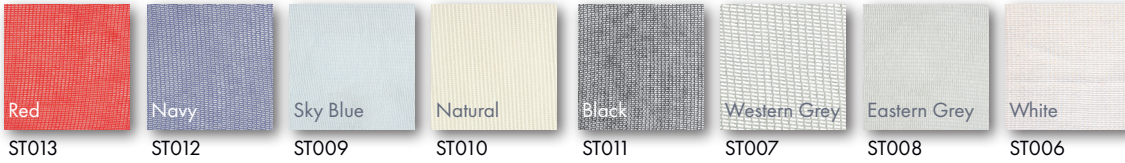


Sample of Acoustic Transparent (ACT001)

8pt Sharkstooth Gauze

An industry staple 8pt cotton scrim, usually used for projection and lighting effects. This fabric is also effective as an acoustically transparent material.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	N/A	0.05	Available on Request



Colours Available	Approx Bale Length: 58m / 190ft	Width: 1097cm / 432"	Weight: 100 g/m ²	FR Rating: NDFR	FR Certification: BS5867, M1, B1, NFPA 701, AS1530.2/3	Custom Dye Available*

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



Cambridge University American Stage Tour (ST001 & ST004)

Transitional (Digital Print)

A lightweight foldable fabric, printed with multiple images to allow the transition from day to night when lit from behind. Tested to prove absence of acoustic absorption.

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	N/A	0.05	Available on Request



Approx Roll Length:
30m / 98ft



Width:
500cm / 197"



Weight:
190 g/m²



FR Rating:
NDFR



FR Certification:
EN13501-1



Custom Dye
Print

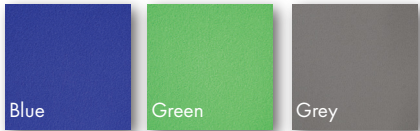


Sample of Transition (PRT001)

Digifoam

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

Fullness	Wall Cavity	Class	SAC Classification	Test Report
Flat	100mm	D	0.45	Available on Request
Flat	350mm	D	0.40	Available on Request



DIG005

DIG004

DIG007



Colours Available



Approx Roll Length:
50m / 164ft



Width:
183cm / 72"



Weight:
230 g/m²



FR Rating:
NDFR



FR Certification:
BS5867



Custom Dye
N/A



For General Enquiries Contact:
sales@jcjoel.com

For Project Enquiries Contact:
projects@jcjoel.com

For Creative Enquiries Contact:
creativesales@jcjoel.com

Corporation Mill, Corporation Street, Sowerby Bridge,
Halifax, HX6 2QQ, United Kingdom. Tel: +44 (0)1422 833835