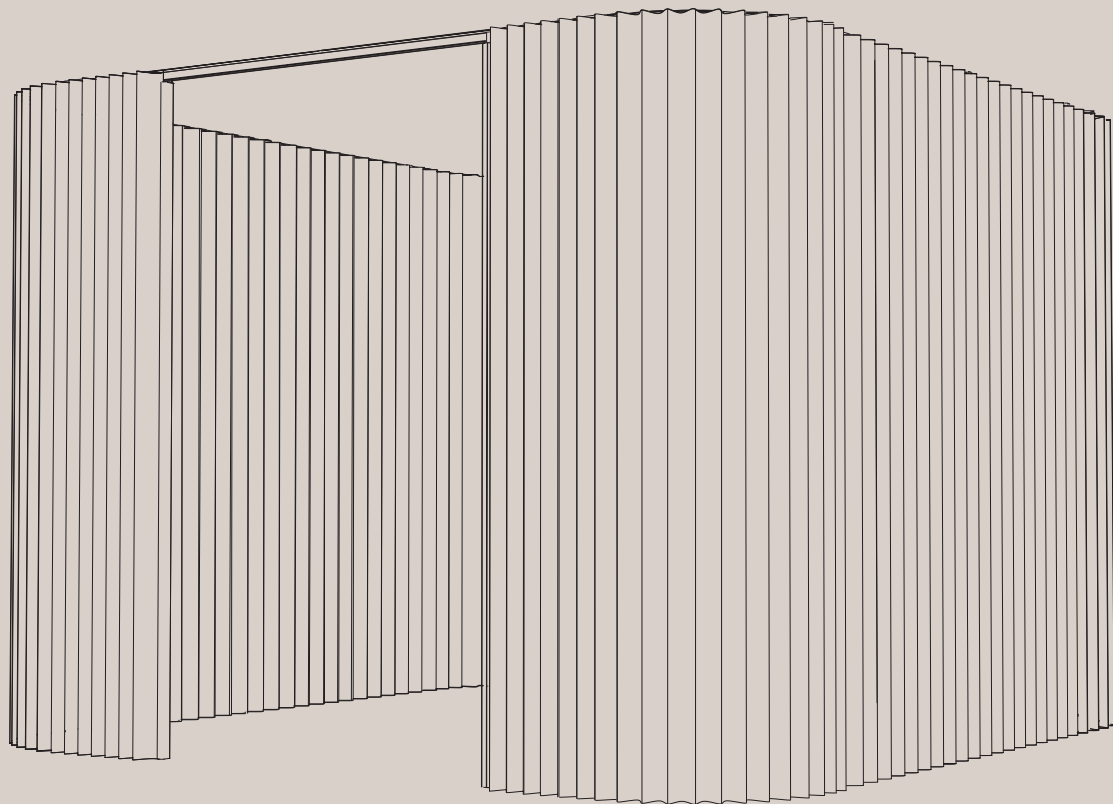


IMPACT ACOUSTIC®



Noren

Acoustic Curtain System

551.10.01.000.10
551.10.02.000.10
551.10.03.000.10

551.20.01.000.10
551.20.02.000.10
551.20.03.000.10

551.30.01.000.10
551.30.02.000.10
551.30.03.000.10

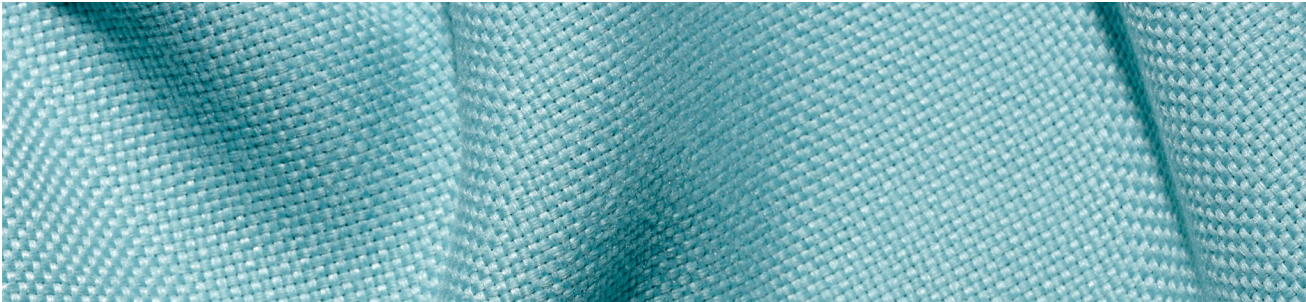
551.40.01.000.10
551.40.02.000.10
551.40.03.000.10

551.00.01.000.00
551.00.02.000.00
551.00.10.000.00

TECHNICAL DATA SHEET

Noren Acoustic Curtain System

General Information



Data

Applicable article numbers

SQUARE 3600	RECTANGLE 4800	CIRCLE 3600	STRAIGHT 2800	ACCESSORIES
551.10.01.000.10	551.20.01.000.10	551.30.01.000.10	551.40.01.000.10	551.00.01.000.00
551.10.02.000.10	551.20.02.000.10	551.30.02.000.10	551.40.02.000.10	551.00.02.000.00
551.10.03.000.10	551.20.03.000.10	551.30.03.000.10	551.40.03.000.10	551.00.10.000.00

Dimensions¹

Height	2700mm	106.30"
Length	See Product Family overview on page 4	

1 - all Imperial dimensions are nominal

Material

Outer Layers	ARCHISONIC® Textile - 100% Recycled Polyester in 45 colours.	
Inner Layers	3 layers (acoustic absorbers and blockers)	



Extended document available

Weight²

Full assembly	8 kg/lm (±10%)	5.4 lbs/lft (±10%)
---------------	----------------	--------------------

2 - all weight values are nominal

Included

Acoustic Curtain
(5 Layers)



Rails



Installation
hardware



Installation
guide



Warranty
2 years³



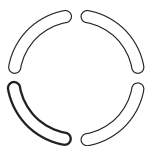
3 - Impact Acoustic warranty terms apply

Noren Acoustic Curtain System

Specification Guide

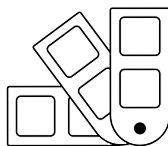
Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalized customized options.

1 Specify your Curtains:



Select the model and
quantity

page 4

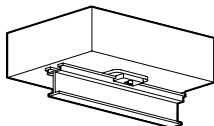


Colour

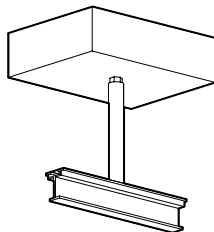
page 10

2 Select installation method:

Direct mount



Offset mount

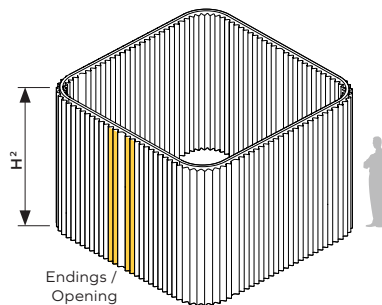
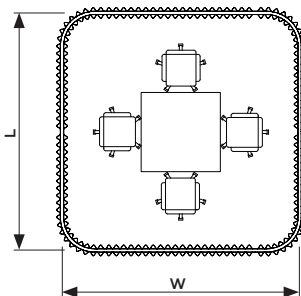


OPTIONAL ITEM
REQUIRED
551.00.10.000.00

Noren Acoustic Curtain System

Product Family Overview

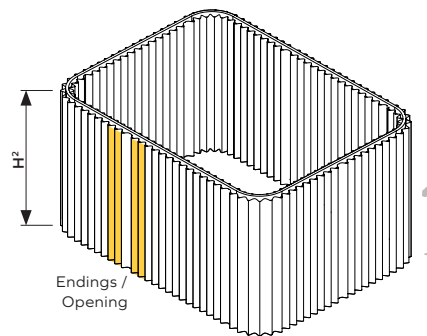
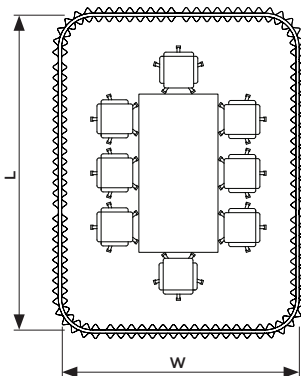
1 Acoustic Curtain enclosures - standard solutions



Noren SQUARE 3600

551.10.01.000.10 / 551.10.02.000.10 / 551.10.03.000.10
551.00.01.000.00

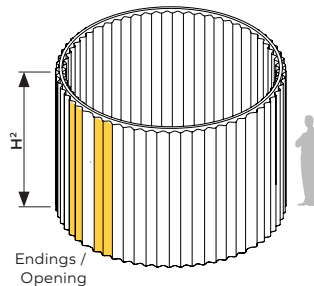
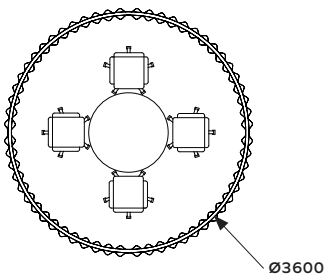
Dimensions (mm): W3600, L3600, H2700
Dimensions (inch): W142", L142", H106"



Noren RECTANGLE 4800

551.20.01.000.10 / 551.20.02.000.10 / 551.20.03.000.10
551.00.01.000.00

Dimensions (mm): W4800, L3600, H2700
Dimensions (inch): W189" L142", H106"

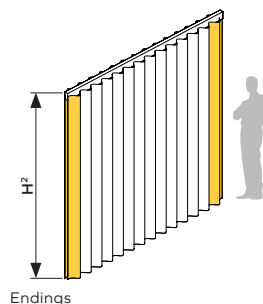
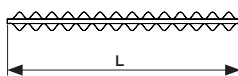


Noren CIRCLE 3600

551.30.01.000.10 / 551.30.02.000.10 / 551.30.03.000.10
551.00.01.000.00

Dimensions (mm): Ø3600, H2700
Dimensions (inch): Ø142", H106"

2 Acoustic curtain dividers - modular solution



Noren STRAIGHT 2800

551.40.01.000.10 / 551.40.02.000.10 / 551.40.03.000.10
551.00.02.000.00

Dimensions (mm): L2800, H2700
Dimensions (inch): L110", H106"

1 - all Imperial dimensions are nominal 2 - from the Floor to the top edge of the Track

Noren Acoustic Curtain System

Product Family Overview

3 Bespoke Assemblies

Combine standard elements to create custom assemblies:

Available rail sizes:

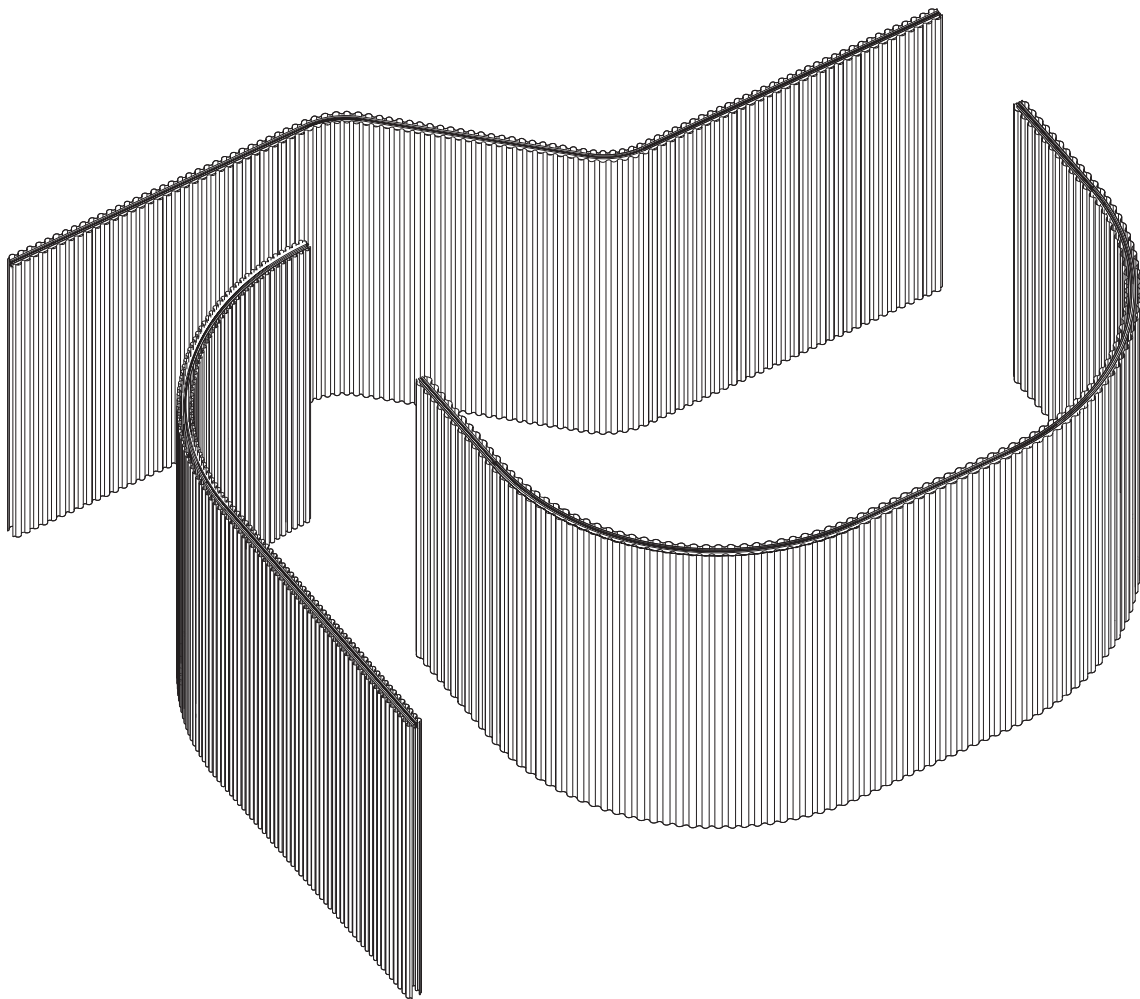
- | | | |
|-----------------------------------|---|--------|
| 1. Straight Rail 3000mm (9' 10") | - | C00001 |
| 2. Radial Rail R500mm (1' 7 1/2") | - | C00002 |
| 3. Radial Rail R1800mm (5' 3") | - | C00003 |

(rails are delivered in standard sizes and need to be cut on site)

Available ARCHISONIC® Textile fabric size:

- | | | |
|---|------------------|------------------|
| 1. Noren Straight 2800 Inner Textile L3250mm (10' 8") (2800mm 9' 2 1/4" pleated) x H2700mm (8' 10") | - | 551.40.02.000.10 |
| 2. Noren Straight 2800 Outer Textile L3250mm (10' 8") (2800mm 9' 2 1/4" pleated) x H2700mm (8' 10") | - | 551.40.03.000.10 |
| 3. Noren End Piece for magnet (set of 2) | 551.00.01.000.00 | |
| 4. Noren End Piece no magnet (set of 2) | 551.00.02.000.00 | |

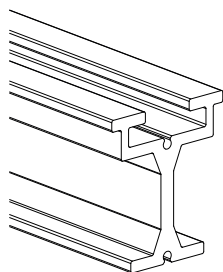
Send us your requirements - our Implementation Team will deliver closest approximation of your design intend using our standard elements - including full schedule of standard and optional hardware and cutting schedule.



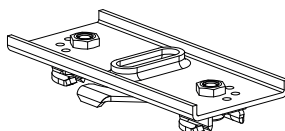
Noren Acoustic Curtain System

Components

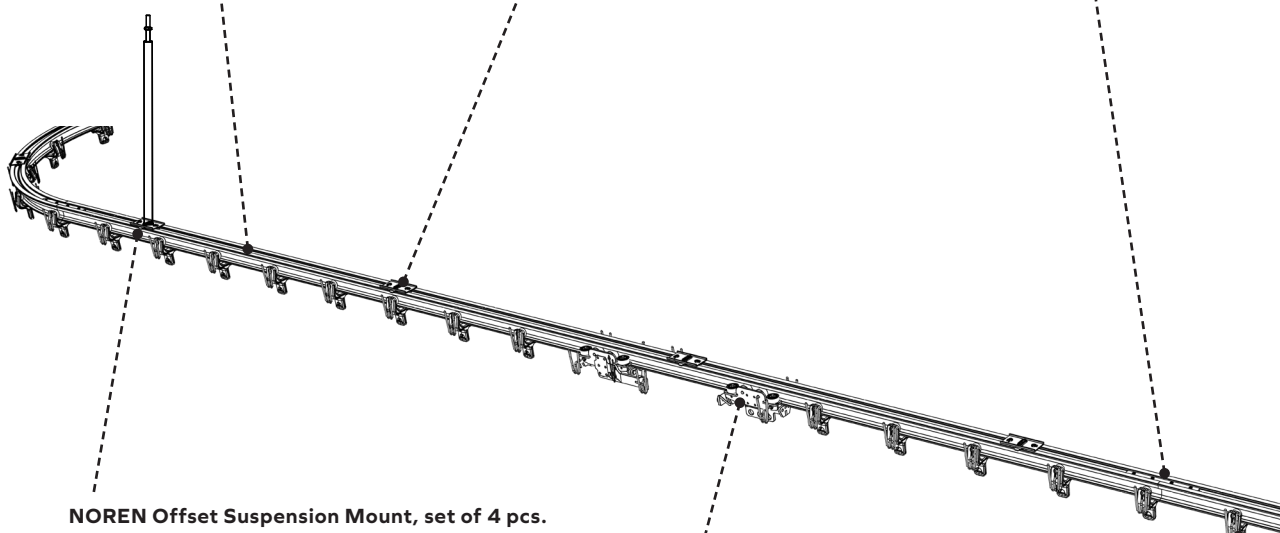
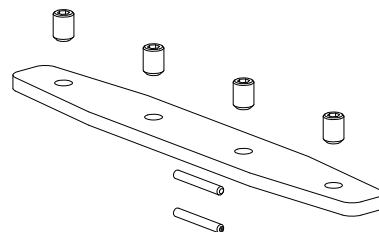
Track
Aluminium, black anodised



Track Mounting Plate
Stainless steel



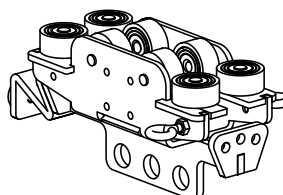
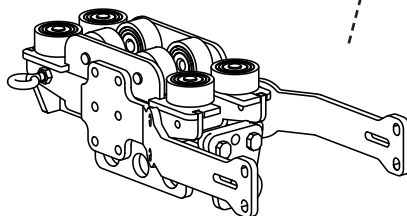
Track Connector,
incl. pins
Steel, black powder-coated



NOREN Offset Suspension Mount, set of 4 pcs.
Steel galvanized and black powder-coated
OPTIONAL ITEM SET: 551.00.10.000.00



Main Carrier pair, magnetic
Steel, black powder-coated



Carrier
Plastic, black



Noren Acoustic Curtain System

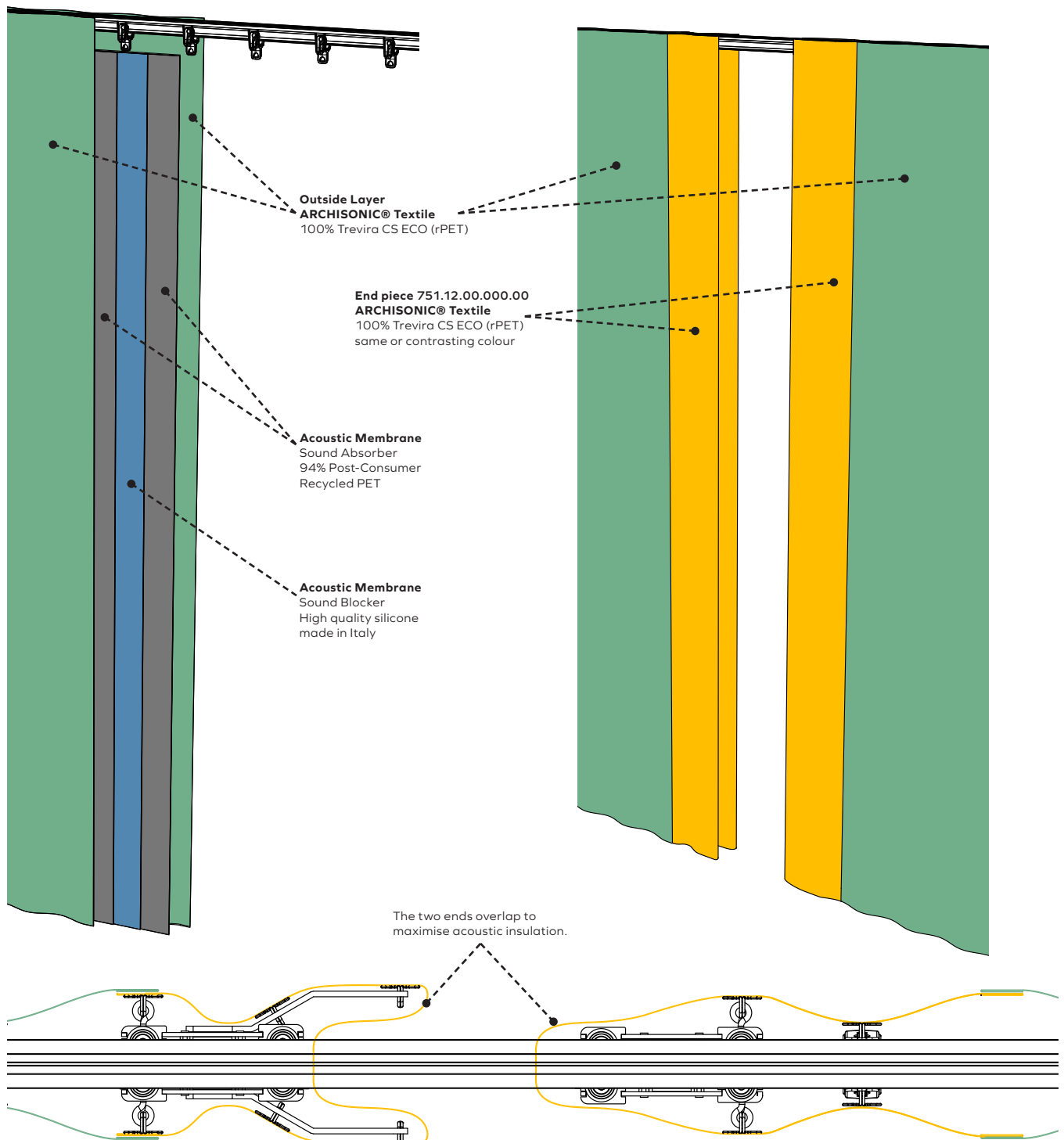
Composition

Layers

The composition of the curtain is optimised to achieve highly effective sound insulation and absorption with as little material as possible.

End piece 551.00.01.000.00 / 551.00.02.000.00

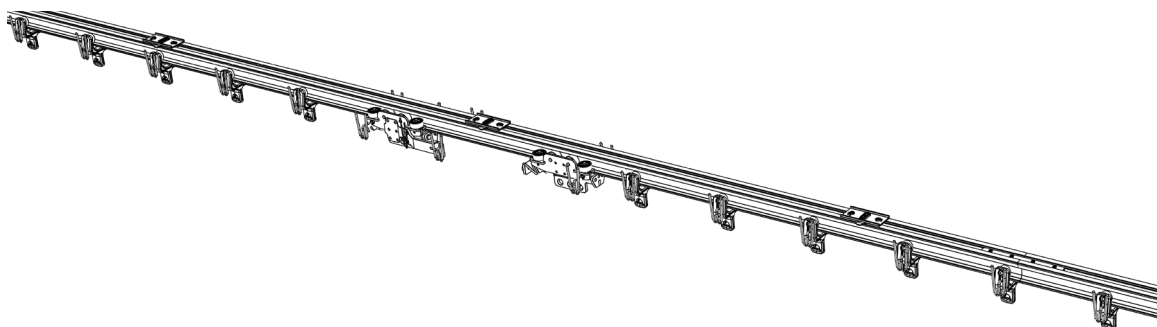
The ends of the curtain can have the same colour as the curtain or be ordered in a different colour. Depending on local regulations, a contrasting colour of the ends may be mandatory, please check your local regulations.



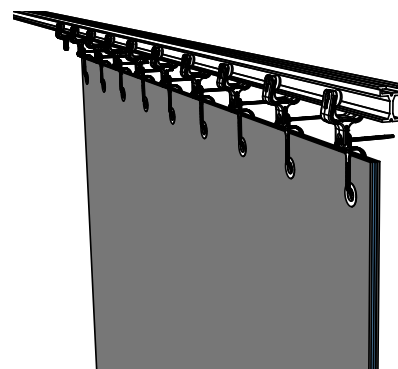
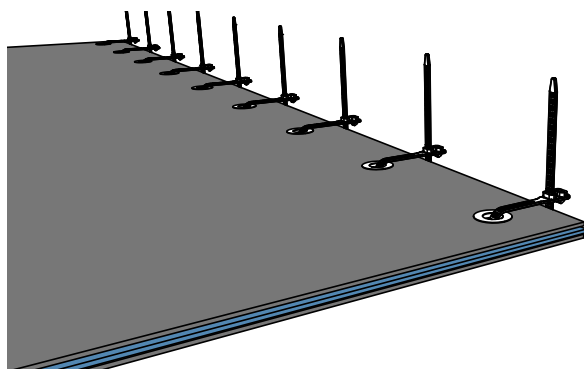
Noren Acoustic Curtain System

Installation Overview

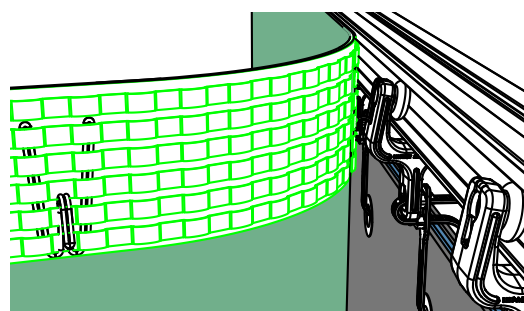
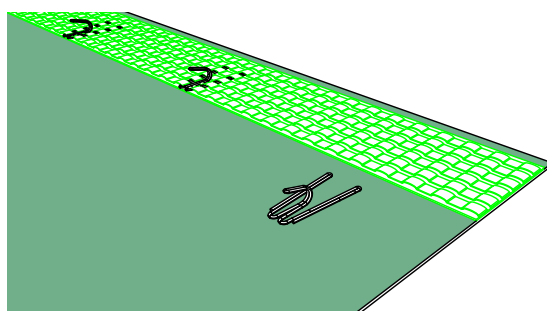
1 Installing the track rail and roller carriers



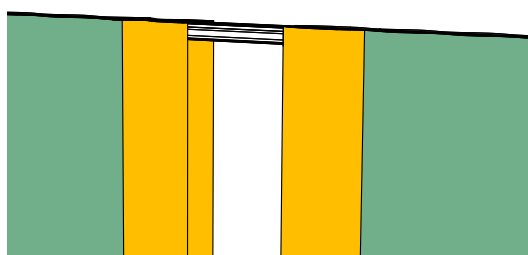
2 Install inner layers



3 Install the tracks and carriers

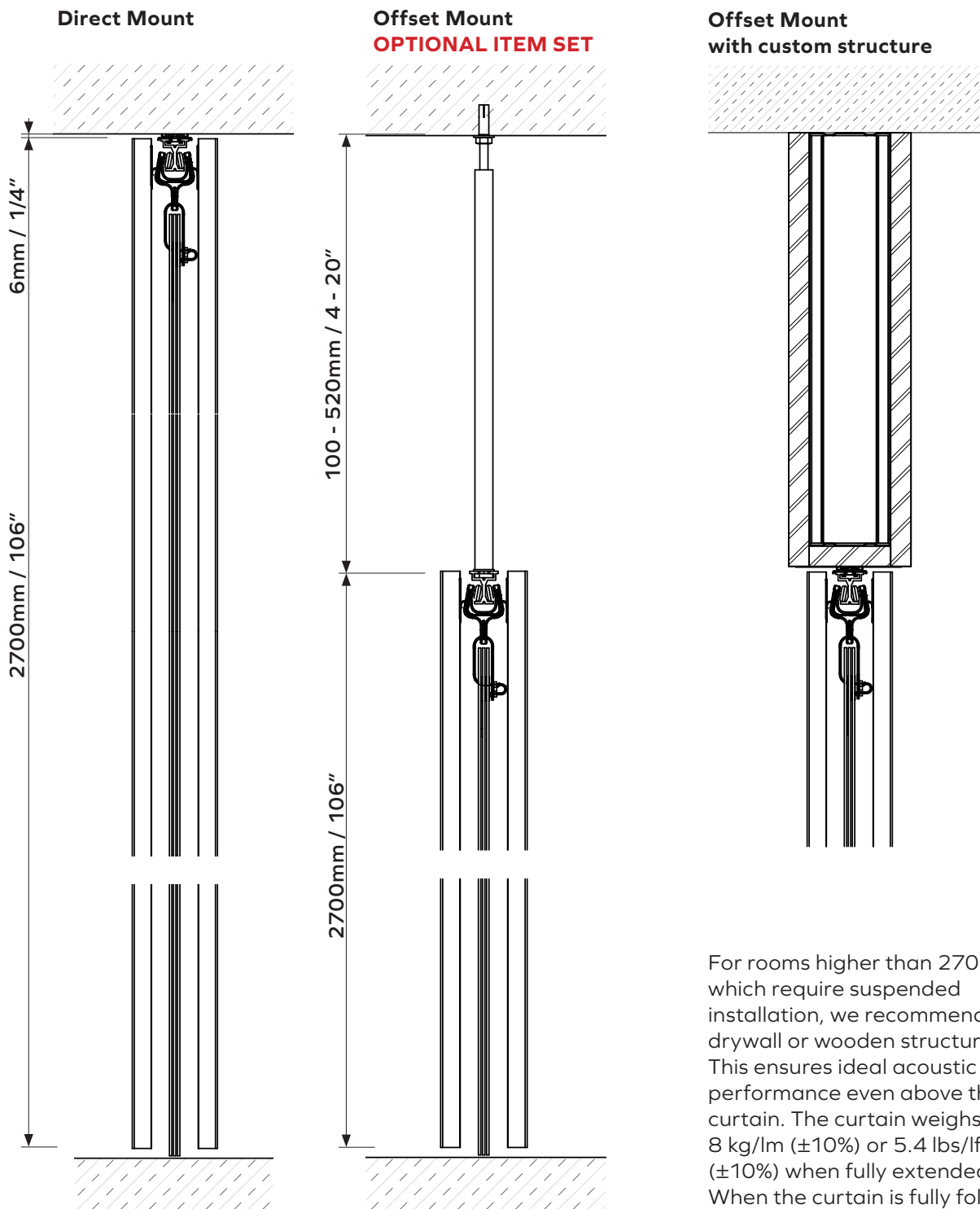


4 Install end pieces



Noren Acoustic Curtain System

Mounting Options



If the suspended area is not covered, considerable acoustic losses must be expected.

For rooms higher than 2700mm, which require suspended installation, we recommend a drywall or wooden structure. This ensures ideal acoustic performance even above the curtain. The curtain weighs 8 kg/lm ($\pm 10\%$) or 5.4 lbs/lft ($\pm 10\%$) when fully extended. When the curtain is fully folded, it can weigh up to 35kg/lm or 24 lbs/lft. Therefore, check the local conditions with your installer in order to plan and realise a suitable structure.

ARCHISONIC® Textile

Material Specification

Product Name	ARCHISONIC® Textile	
Content	100% Recycled Polyester TREVIRA CS ECO	
Roll Width¹	2800mm (106.3") (raw material)	
Density²	325g/m ² (0.066 lbs/ ft ²) (±5%)	
Abrasion Resistance	100.000 Martindale - ISO 12947-2	
Light Fastness	Class 6 - ISO 105-B02 (Xenotest)	
Fastness to rubbing	Class 4/5 - ISO 105-X12 (Crockmeter)	
Pilling (2000 rubs)	Class 5 - ISO 12945-2 (Modified Martindale method)	
Color	45 colors (see ARCHISONIC® Felt Color page for more information)	
Cleaning and washing	   	
Lead time³	Upon demand	
Fire Rating*	DIN EN 13501-1: B-s1, d0 UNI 9174 - 8456 Class C1 DIN 4102 Class B1	NF 92501-7 Class M1 EN 13773 Class 1 USA NFPA 701 EN 13501-1

*ARCHISONIC® Textile was designed to comply with upholstery standards for interiors and rated using above standards as a raw material. If used in combination with other materials and/or components and/or in particular applications, the additional regional rating requirements might apply.

1 - This material is supplied in rolls of 15 linear meters and folded by half. We recommend to inspect the textile prior to use and iron or steam any creases if needed.

2 - All values are nominal

3 - Depending on the location and type of product



ARCHISONIC® Textile Colours



									
Name	Snow White	Cloud	Smoke	Slate	Charcoal	Raven	Ground	Gull	Milk
Code	500	103	442	444	542	550	108	144	404
NCS	S 0300-N	S 1002-B	S 3005-R80B	S 4500-N	S 7502-B	S 8500-N	S 5005-Y20R	S2502-Y	S 0502-Y
									
Name	Linen	Dune	Jute	Fallow	Warm Stone	Truffle	Sunshine	Honeycomb	Electric Orange
Code	107	104	920	238	105	539	846	139	464
NCS	S 1505-Y30R	S 3005-Y20R	S 3010-Y30R	S 3020-Y40R	S 3010-Y50R	S 7020-Y70R	S 1040-Y10R	S 2050-Y20R	S 0580-Y70R
									
Name	Terracotta	Soft Coral	Cinnabar	Shellpink	Garnet	Poster Red	Hot Pink	Grape	Marine Blue
Code	239	516	725	102	724	662	140	540	864
NCS	S 4040-Y70R	S 2020-Y90R	S 2020-Y60R	S 0510-R30B	S 5040-R10B	S 1080-R	S 2060-R20B	S 5040-R40B	S 4050-R70B
									
Name	Midnight	Royal Blue	Winter Sky	Deep Sea	Nocturne	True Navy	Ice Blue	Pacific Ocean	Lagoon
Code	810	865	410	918	866	194	304	432	917
NCS	S 7020-R70B	S 4550-B	S 2020-R90 B	S 5020-R90B	S 6030-R90B	S8005-B	S 0510-B	S 3040-B	S 6030-B10G
									
Name	Succulent	Spearmint	Seafoam	Nordic Pine	Moss	Grove	Pistachio	Lichen	Fern
Code	712	706	710	311	439	317	315	160	180
NCS	S 3020-B30G	S 1010-B90G	S 3010-G30Y	S 5030-G10Y	S 2040-G40Y	S 7020-G30Y	S 4020-G30Y	S4005-Y	S6010-G90Y

These NCS codes are the closest visual match available and may not be exact to blended fibres.

Colours

ARCHISONIC®

Experience our ARCHISONIC® Textile material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Colour fastness

Class 6

ISO 105-B02:A1

Order a free sample box



Noren Acoustic Curtain System

Acoustic Performance

Testing Standards	
ISO 10140-2	Acoustics — Laboratory measurement of sound insulation building elements — Part 2: Measurement of airborne sound insulation
ISO 717-1:2020	Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation
ASTM E90-09	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
ASTM E413-16	Classification for Rating Sound Insulation

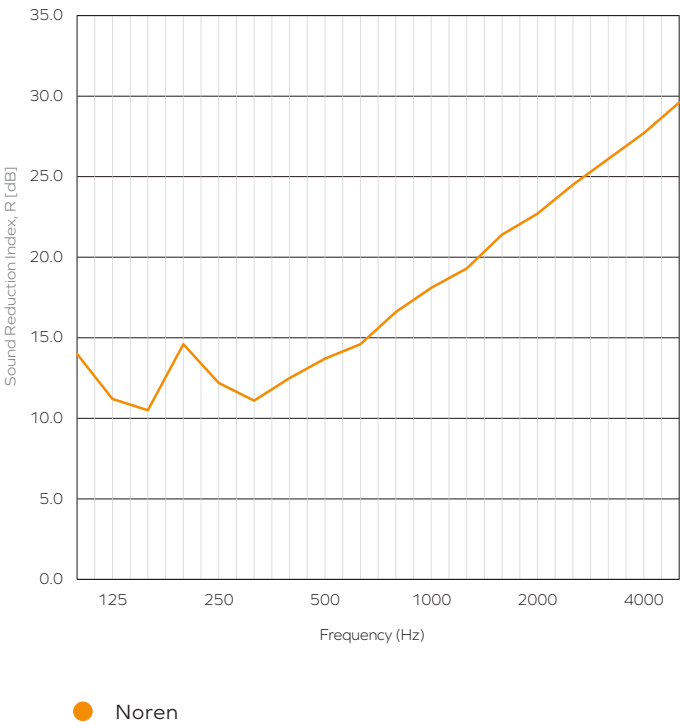
Acoustic Test Result	Airborne Sound Insulation Rating	Sound Transmission Class
Noren	Rw (Ctr) = 18 (-2) dB	STC 18

Rating according to ISO 717-1 and ASTM E413-16.

Acoustic Performance

Frequency (Hz)	Sound Reduction Index, R [dB]
100	14.0
125	11.2
160	10.5
200	14.6
250	12.2
315	11.1
400	12.5
500	13.7
630	14.6
800	16.6
1000	18.1
1250	19.3
1600	21.4
2000	22.7
2500	24.5
3150	26.1
4000	27.7
5000	29.6

Evaluation based on laboratory measurement results obtained in one-third octave bands by an engineering method.



Noren Acoustic Curtain System

Acoustic Performance



University of Stuttgart
Germany

Testing Standards

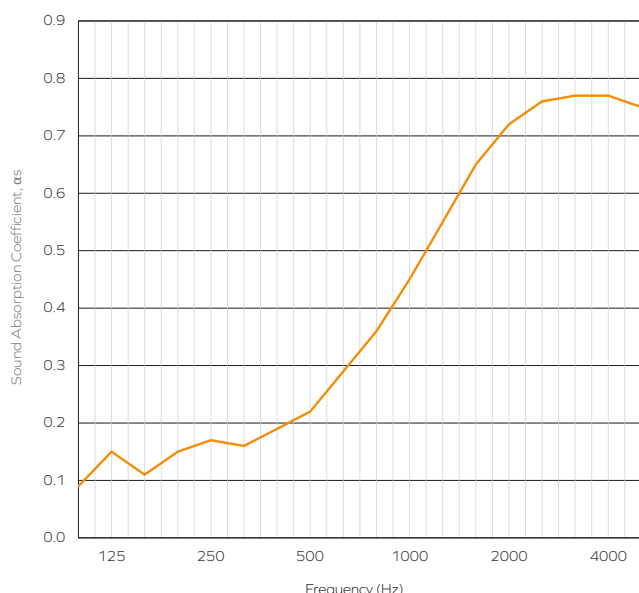
ISO 354:2003	Acoustics — Measurement of sound absorption in a reverberation room
ISO 11654:1997	Acoustics — Sound absorbers for use in buildings — Rating of sound absorption
ISO 20189:2018	Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements
ASTM C423-17	Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E795-16	Standard Practices for Mounting Test Specimens During Sound Absorption Tests

Acoustic Test Result	α_w	SAA	NRC
Noren	0.35 (H)	0.39	0.40

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

Acoustic Performance

Frequency (Hz)		125	250	500	1000	2000	4000
Noren	α_p	0.10	0.15	0.25	0.45	0.70	0.75



● Noren

The table represents the practical sound absorption coefficient (α_p) in accordance with ISO 11654. The graph represents the sound absorption coefficients (α_s) in the third octave band center frequencies in accordance with ISO 354. Measurement used Pink Noise as excitation signal in a reverberant room. The test specimen is mounted free-standing in the reverberant room in a manner that simulates the actual installation of the product.

Noren Acoustic Curtain System

ARCHISONIC® Textile – Specification

FIDIVI*	CARATTERISTICHE PRINCIPALI - PRINCIPAL CHARACTERISTICS CARACTERISTIQUES PRINCIPALES - HAUPT EIGENSCHAFTEN	Date 04/06/2024 Edition 01
----------------	--	-------------------------------

IMPACT

Caratteristica Characteristic Caractéristique Charakterdarsteller	Norma Norm Norme Norm	Tolleranza Tolerance Tolérance Toleranz	Dichiarato Declared Déclaré Deklariert
Peso (g/ml) – Weight (g/lm) Poids (g/ml) - Gewicht (g/lm)	EN 12127	± 5 %	910
Peso (g/m²) - Weight (g/m²) Poids (g/m²) - Gewicht (g/m²)	EN 12127	± 5 %	325
Altezza (cm) - Width (cm) Largeur (cm) - Breite (cm)	-----	± 2 %	280
Resistenza all'abrasione (cicli) Abrasion resistance (rubs) Résistance à l'abrasion (tours) Scheuerfestigkeit (Scheuertouren)	ISO 12947-2 (Martindale)	± 10 %	100.000
Solidità del colore alla luce (scala dei blu) Light fastness (blue scale) Solidité à la lumière (échelle des bleu) Lichtechtheit (Blaumaßstabe)	ISO 105-B02 (Xenotest)	da 5 a 8	6
Solidità del colore allo sfregamento (scala dei grigi) Fastness to rubbing (grey scale) Solidité au frottement (échelle des gris) Reibechtheit (Graumaßstabe)	ISO 105-X12 (Crockmeter)	da 4 a 5	4/5
Pilling (2000 cicli) - Pilling (2000 rubs) Pilling (2000 tours) - Pilling (2000 scheuertouren)	ISO 12945-2	da 4 a 5	5
Composizione Composition Composition Zusammensetzung	100% POLIESTERE TREVIRA CS ECO 100% POLYESTER TREVIRA CS ECO 100% POLYESTER TREVIRA CS ECO 100% POLYESTER TREVIRA CS ECO		

Leggere differenze di colore tra un lotto e l'altro sono da considerarsi normali
Slight colour differences between one lot and another have to be considered within commercial tolerance
Légères différences de couleur entre un lot et l'autre doivent être considérés comme étant normales
Leichte Farbunterschiede sind zwischen zwei Partien als normal zu betrachten

Reazione al fuoco – Flammability - Classement au feu – Feuersicherung

Can meet UNI 9174 - 8456 Class C1 DIN 4102 Class B1 NF 92501-7 Class M1 EN 13773 Class 1 USA NFPA 701 EN 13501-1	Altri test fuoco possono essere superati, il superamento di alcuni test fuoco può dipendere dalla schiuma utilizzata Will also pass other flammability standards. Flame retardant performance is dependent upon the foam used Autres tests feu peuvent être passés. La performance au feu dépend de la mousse utilisée Wird auch andere Brandschutzstandards erfüllen. Die flammhemmende Leistung ist anhängig von dem verwendeten Schaum
--	--

Manutenzione e lavaggio – Cleaning and washing – Nettoyage et lavage – Reinigung und waschen



M0406 rev 02 del 07-01-2015

IMPACT ACOUSTIC®
Noren Curtain System rev.02 - 10.02.26

(Switzerland)
(USA)
(Philippines)

connect@impactacoustic.com
usa@impactacoustic.com
philippines@impactacoustic.com

(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

#WeMakeAnImpact

Acoustic Curtain System

Additional Information

Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.



CAD files



Spec sheets and
Installation Guide



Colour families



Instruction
videos



Associated
products specs

Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfill the majority of our orders in as little as 21 days¹ from your first point of contact, allowing you to focus on what truly matters to you.



Contact our
consultant

Quote¹

48h



Order Confirmation

Production¹

6 - 8 Weeks



Dispatch

Transit

location based



Delivery

Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any question.



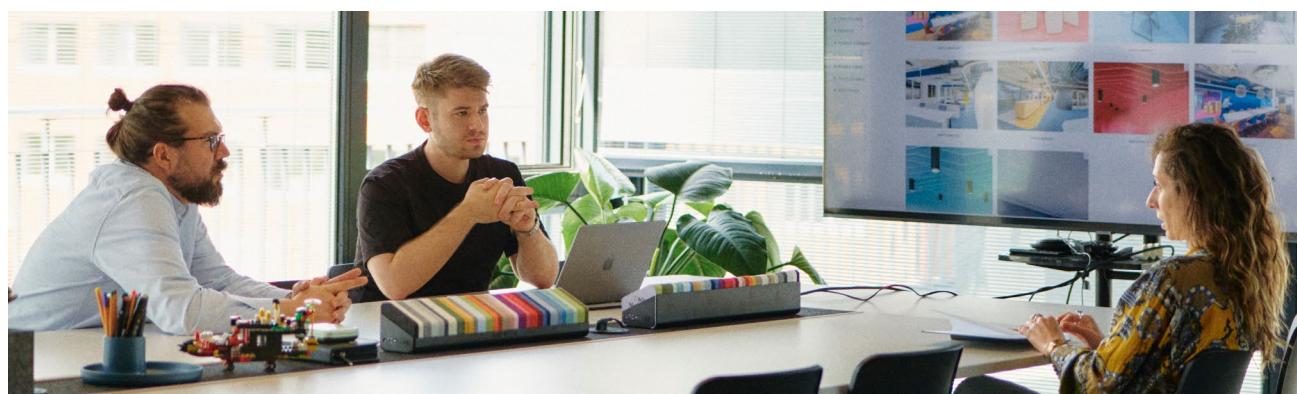
+41 41 244 14 00



connect@impactacoustic.com



Online form



¹ - Quote and Production times may vary.

IMPACT ACOUSTIC®
Noren Curtain System rev.02 - 10.02.26

(Switzerland)
(USA)
(Philippines)

connect@impactacoustic.com
usa@impactacoustic.com
philippines@impactacoustic.com

(+41) 41 244 14 00
(+1) 619 378 2100
(+63) 285 80 02 50

#WeMakeAnImpact

**#We
Make An
Impact**

connect@impactacoustic.com | www.impactacoustic.com