

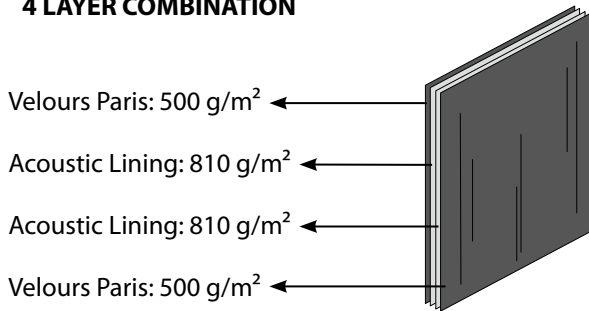
MULTI-LAYERED CURTAIN

TECHNICAL DATA SHEET

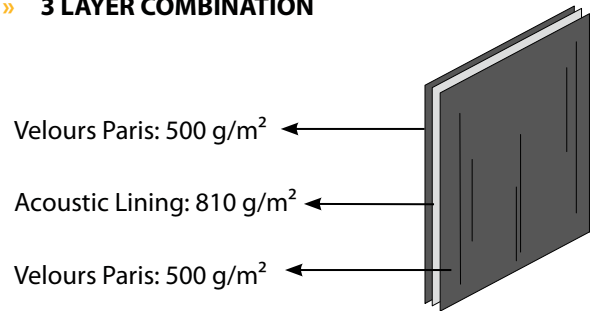
September 2022

Our specially developed separation curtains are the ideal solution to reduce noise transmission. The heavy and yet flexible lining has great insulating properties, while the outer top layer(s) not only give this multi-layered curtain its luxurious appearance, but also contribute to better room acoustics.

» 4 LAYER COMBINATION



» 3 LAYER COMBINATION



» GENERAL INFORMATION

- Acoustic room divider & dynamic partitioning system
- Combine 3 or 4 layers of fabric depending on required reduction and available budget.
- Reduces sound transmission from 14 up to 19 db Rw based on chosen setup.
- Velours Paris (outer layers) allow for sound absorption.
- Acoustic Lining (inner layers) allow for sound insulation.

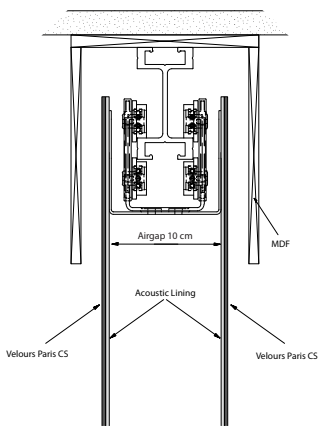
» TRACK ASSEMBLIES

Track	Motion	Configuration
OrientTrack	Walk Along Operation	Single track wipe effect Single track central overlap Double track central overlap
ShowTrack	Walk Along Operation	Single track wipe effect Single track central overlap Double track central overlap
ChainTrack	Motorized Operation	Single track wipe effect Single track central overlap Curved single track wipe effect Curved single track central overlap

SHOWTRACK: 2+2 LAYER SETUP

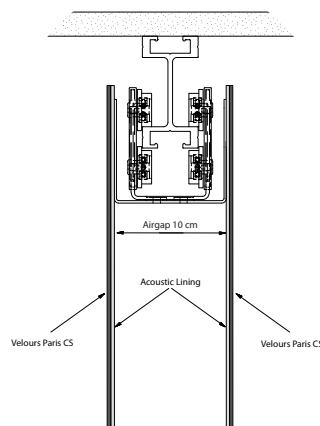
4 fabrics mounted as 2 individual elements with a 10 cm air cavity in between. The entire installation works as a floor to ceiling cavity wall and delivers a sound reduction of 19dB Rw. It even reaches a whopping maximum of 41 dB for higher frequencies.

» WITH MDF CASING



EN ISO 717-1	@ 4kHz octave
19 (-1;-4) dB Rw	38.0 dB
SWL Runner	25 kg
SWL Bracket	7.5 kg (each side)

» WITHOUT MDF CASING



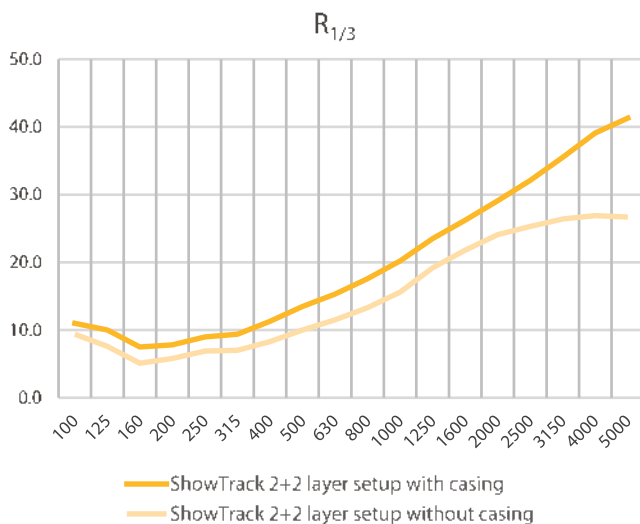
EN ISO 717-1	@ 4kHz octave
15 (0;-3) dB Rw	28.4 dB
SWL Runner	25 kg
SWL Bracket	7.5 kg (each side)

» SPECIFICATIONS

- Heavy duty track system
- Creates 10 cm air cavity
- Provides 19.0 dB reduction
- Max 38.0 dB at 4kHz octave
- Aw 0.40(H) flat curtain
- Aw 0.80 pleated curtain

» SOUND INSULATION ACCORDING TO EN ISO 10140-2

⚠ Measurements were carried out with curtains touching the floor



f (Hz)	casing	no casing
100	11.0	9.4
125	10.0	7.6
160	7.5	5.1
200	7.8	5.8
250	9.0	6.9
315	9.4	7.0
400	11.3	8.3
500	13.5	10.0
630	15.3	11.5
800	17.6	13.3
1000	20.2	15.6
1250	23.5	19.2
1600	26.2	21.8
2000	29.1	24.1
2500	32.1	25.3
3150	35.5	26.4
4000	39.1	26.9
5000	41.3	26.7
Rw	19 dB	15 dB

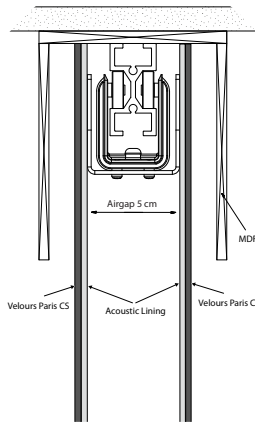
» Curtain composition:

- Velours Paris CS
- Acoustic Lining
- 10 cm airgap
- Acoustic Lining
- Velours Paris CS

ORIENTTRACK: 2+2 LAYER SETUP

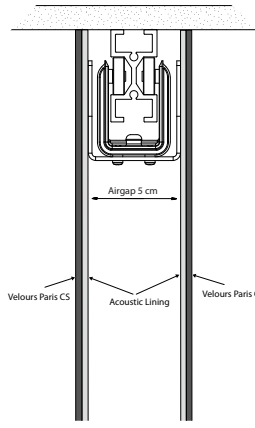
This setup uses 4 fabrics mounted as 2 individual elements with a 5 cm air cavity in between. The entire installation works as a floor to ceiling cavity wall and delivers a sound reduction of 17dB Rw. For higher frequencies, it even reaches a whopping maximum of 42.1 dB.

» **WITH MDF CASING**



EN ISO 717-1	@ 4kHz octave
17 (0;-3) dB Rw	39.6 dB
SWL Runner	8 kg
SWL Bracket	4 kg (each side)

» **WITHOUT MDF CASING**



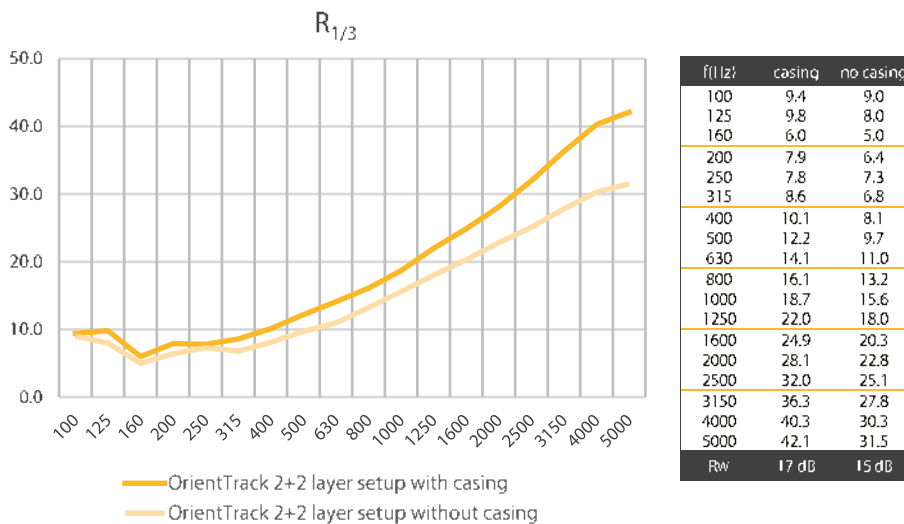
EN ISO 717-1	@ 4kHz octave
15 (-1;-3) dB Rw	29.9 dB
SWL Runner	8 kg
SWL Bracket	4 kg (each side)

» **SPECIFICATIONS**

- Medium duty track system
- Creates 5 cm air cavity
- Provides 17.0 dB reduction
- Max 39.6 dB at 4kHz octave
- Aw 0.40(H) flat curtain
- Aw 0.80 pleated curtain

» **SOUND INSULATION ACCORDING TO EN ISO 10140-2**

⚠ Measurements were carried out with curtains touching the floor



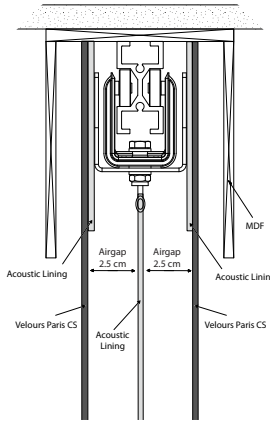
» **Curtain composition:**

- Velours Paris CS
- Acoustic Lining
- 5 cm airgap
- Acoustic Lining
- Velours Paris CS

ORIENTTRACK: 1+1+1 LAYER SETUP

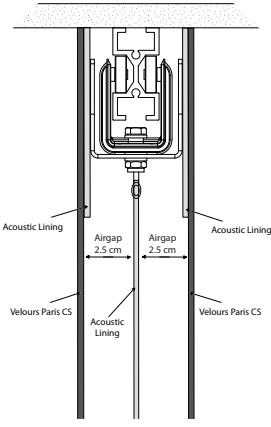
This setup uses only 3 fabrics mounted as 3 separate elements with a 2.5 cm air cavity in between all layers. This budget-friendly setup delivers a sound reduction of 17dB Rw. For higher frequencies, it even reaches a solid maximum of 35.2 dB.

» **WITH MDF CASING**



EN ISO 717-1	@ 4kHz octave
17 (-1;-4) dB Rw	33.2 dB
SWL Runner	8 kg
SWL Bracket	4 kg (each side)

» **WITHOUT MDF CASING**



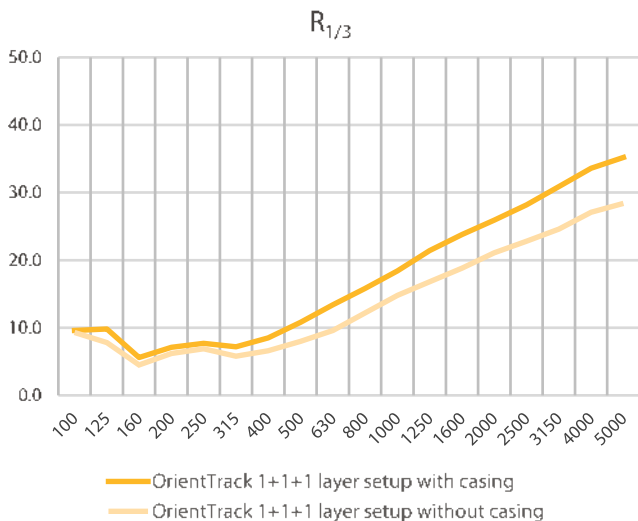
EN ISO 717-1	@ 4kHz octave
14 (-1;-3) dB Rw	26.7 dB
SWL Runner	8 kg
SWL Bracket	4 kg (each side)

» **SPECIFICATIONS**

- Medium duty track system
- Creates 2.5 cm air cavities
- Provides 17.0 dB reduction
- Max 33.2 dB at 4kHz octave
- Aw 0.40(H) flat curtain
- Aw 0.80 pleated curtain

» **SOUND INSULATION ACCORDING TO EN ISO 10140-2**

⚠ Measurements were carried out with curtains touching the floor



f (Hz)	casing	no casing
100	9.6	9.3
125	9.8	7.8
160	5.6	4.5
200	7.1	6.2
250	7.7	6.9
315	7.2	5.8
400	8.5	6.6
500	10.8	8.0
630	13.4	9.6
800	15.8	12.2
1000	18.4	14.8
1250	21.4	16.8
1600	23.8	18.8
2000	25.9	21.1
2500	28.2	22.8
3150	30.9	24.6
4000	33.6	27.1
5000	35.2	28.4
Rw	17 dB	14 dB

» **Curtain composition:**

- Velours Paris CS
- 2.5 cm airgap
- Acoustic Lining
- 2.5 cm airgap
- Velours Paris CS

ACOUSTIC LINING

The Acoustic Lining is a composite textile that is as a result of its specific composition, not only sufficiently heavy to reduce sound transmission, but also flexible enough to sew it into a curtain.

» **ARTICLE CODE**

1385 0140 0007

» **WIDTH**

140 cm

» **LENGTH**

± 50 m

» **WEIGHT**

810 g/m²

» **COMPOSITION**

83% PVC + 15% POLYCOTTON + 2% PES

» **CARE INSTRUCTIONS**



» **FLAME RESISTANCE**

EN 13773 (2003)

CLASS 1

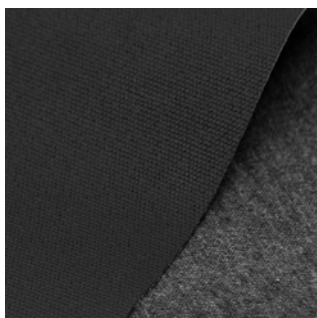
NFP 92-503

CLASS M2

» **COLOUR FASTNESS**

EN ISO 105 B02 4/5

» **AVAILABLE COLOURS**



0007

TOP LAYER

ShowTex offers several fabrics to be used as a visual top layer. Opt for Velours Paris CS to stay on track with the measured acoustic results or change to alternative fabrics according to your aesthetic preference. All suggested fabrics are inherently flame retardant, subject to minimal shrinkage and have sound-absorbing properties.

» AVAILABLE COLOURS VELVETS



» ALTERNATIVE FABRICS

- Velours Helena CS
- Velours Delta
- Molton CS
- Blackout Double

⚠ Please refer to the fabrics own datasheet for a full colour range.

⚠ Please contact your local ShowTex branch for more information about the acoustic results of these fabrics.