



7 benefits of Vescom acoustic curtain fabrics

acoustic: α_w 0.5-0.6

The porosity of Vescom acoustic curtain fabrics and the special weaving technology used in their production enable them to absorb up to five times more sound than other transparent curtain fabrics. Carmen: α_w 0.5, Marmara: α_w 0.5, Formoza: α_w 0.6. The fabrics reduce the echo time, absorb sound and therefore improves verbal communication and understanding. Test reports: www.vescom.com

translucent

Architects, designers and project outfitters are now offered curtain fabrics that they can use in their designs to create visual partitions – but without creating barriers.

fire safe

The use of Trevira CS yarns results in fire safe fabrics that are suitable for projects. The fabrics comply with the most stringent European standard for public buildings.

functional and problem solving

Three functions in one curtain fabric. Translucent, maximum sound absorption and flame retardant. Formoza is extra wide. Marmara is extra wide and both sides can be used.

lightweight and extremely strong

The curtain fabrics are extremely thin and lightweight – and also extremely strong.

colourfast

The fabrics possess good resistance to daylight and comply with the colourfast requirements imposed by the contract market.

curtains can be made without seams

The extra width of Marmara and Formoza (about 3 metres) offers an opportunity to make curtains without seams.



new!
**transparent,
acoustic
curtain fabrics**

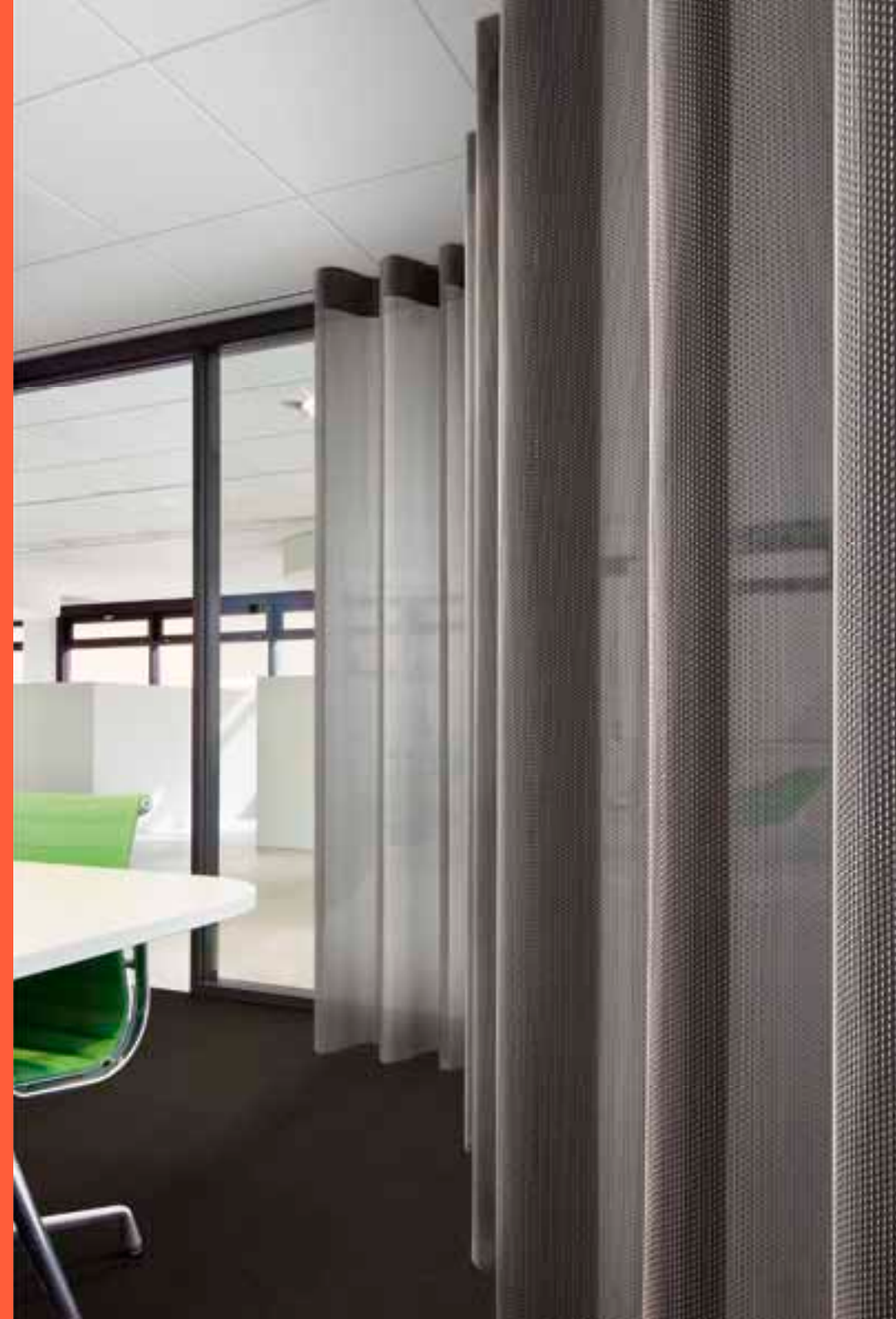
α_w
0.5-0.6

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a breakthrough in acoustic curtain fabrics

Noise is disruptive: noise disrupts communication, reduces work performance and causes fatigue. Noise hindrance can be reduced by using sound-absorbent materials. These reduce the echo time, absorb sound and improve understandability.

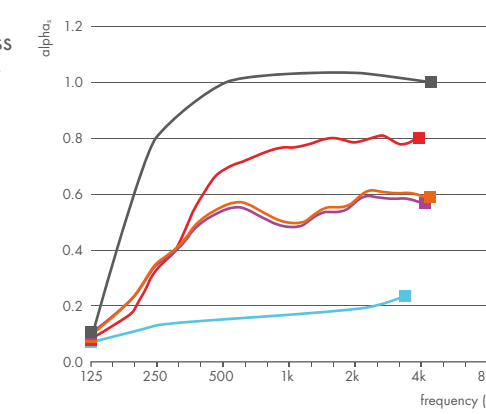
Until now heavy, opaque, sound-absorbent Vescom fabrics were successfully used to improve interior acoustics. Vescom, in response to the need for acoustic solutions in light interiors, has now introduced transparent, sound-absorbent curtain fabrics – an innovation! The new translucent, light and fire safe (Trevira CS) Carmen, Marmara and Formoza fabrics improve interior acoustics. These new fabrics offer a combination that was previously unavailable for modern architecture. The curtain fabrics are developed and designed by Annette Douglas and produced by Vescom.



sound-absorbent, transparent and flame retardant

Carmen, Marmara and Formoza absorb up to five times more sound than customary transparent curtain fabrics. The three fabrics are of a simple, modern, elegant and timeless design. The fabrics merge with every interior – including seminar or conference rooms, hotel lobbies and offices. Vescom offers a solution for every interior which requires acoustically-effective translucent fabrics.

comparison of fabrics



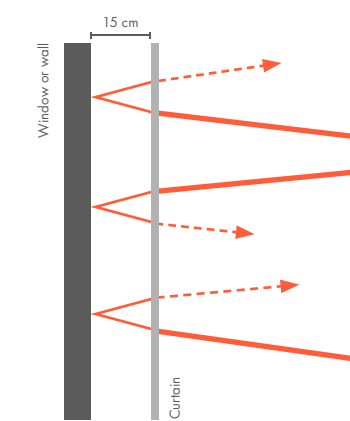
15 cm gap between curtain and window or wall, fully pleated.

- Light, translucent curtain. α_w 0.15
- Carmen α_w 0.5
- Marmara α_w 0.5
- Formoza α_w 0.6
- Heavy, opaque curtain. α_w 1.0

These translucent, refined glossy fabrics are of high quality: although they are extremely lightweight, they nevertheless possess a sound absorption coefficient of between α_w 0.5 and 0.6 – which makes them ideally suitable for the improvement of acoustic properties. The fabrics offer particularly great added

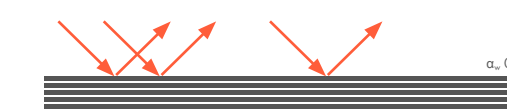
value in interiors with sound-reflecting surfaces, such as concrete and glass, which produce echoes. They are translucent and suitable for many applications. Carmen, Marmara and Formoza are flame retardant and comply with the most stringent European standard for public buildings.

effect

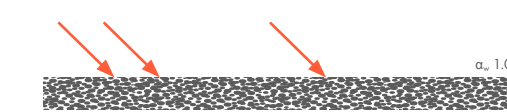


Carmen, Marmara and Formoza

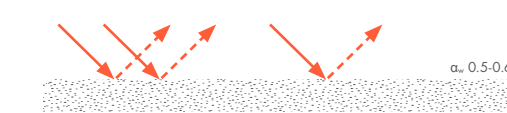
sound reflection vs. sound absorption



Reflection, no absorption. Examples include concrete, glass and marble.



Absorption. All sound is absorbed. No reflection. For example, heavy, opaque curtains.



Partial absorption. Some of the sound is absorbed. Examples include Carmen, Marmara and Formoza.

composition
carmen
86 % trevira cs / 14 % pes fr
marmara
88 % trevira cs / 12 % pes fr
formoza
90 % trevira cs / 10 % pes fr

width
carmen
± 150 cm / ± 59 inches
marmara
± 300 cm / ± 118 inches
formoza
± 295 cm / ± 116 inches

weight
carmen
± 136 gr/m¹ / ± 4 oz. lin. yd.
marmara
± 312 gr/m¹ / ± 10 oz. lin. yd.
formoza
± 392 gr/m¹ / ± 13 oz. lin. yd.

flame retardancy
DIN 4102 part 1, B1
NF P 92 – 503 – 507 M1
EN 13773, class 1
BS 5867 part 2, type C
NEN + ISO 6940 / 6941
UNI VF 8456, class 1
IMO Res. A 471 (XII)

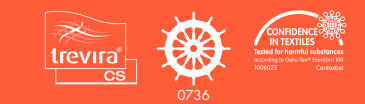
light resistance – ISO 105 B02
5 – 6 (scale 1 – 8)

shrinkage – ISO 5077
carmen
warp: 0,3 % / weft: 0,3 %
marmara
warp: 0,4 % / weft: 0,4 %
formoza
warp: 0,2 % / weft: 0,1 %



sound absorption – ISO 354

carmen
alpha_w 0.5
marmara
alpha_w 0.5
formoza
alpha_w 0.6



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