



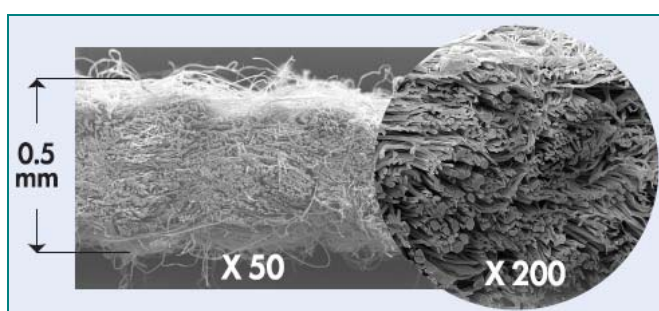
Microfilaments: A new generation of sound absorption material

Thanks to the optimal air flow resistance of the internal structure of tightly entangled microfilaments, the sound energy is absorbed by Evolon® and the acoustic comfort is significantly improved.

Multiple applications

Acoustic drapes, Wall partition, Shades and Curtains, Composite layer.

In a restaurant composed of large open spaces and a mezzanine, installing acoustic Evolon® drapes helped reduce sound levels by 6-10 decibels.



7000 km of microfilaments in 1sqm of Evolon® 100g/sqm lead to an air flow resistance of ~1000 Pa.s/m

Key benefits



Optimum sound absorption between 800 and 2000 Hz



Minimum thickness
Ultra-lightweight



Thermal insulation.
 $R_{ct} = 0.022 \text{ m}^2\text{K/W}$ (EVO100 S0)



Textile finishings are possible
Can be converted, sewn, thermo-moulded
Visible product or composite layer

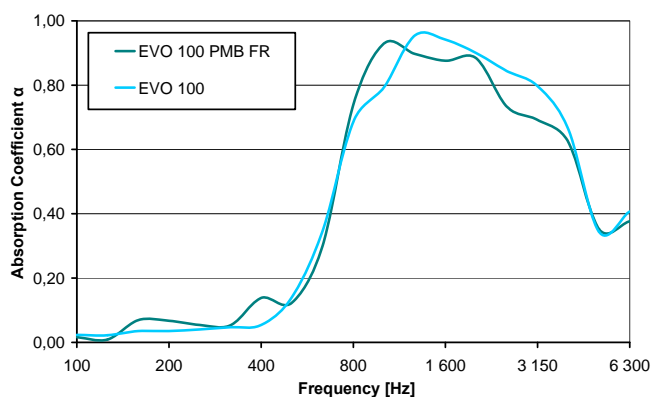


Flame-retardant according to industry standards : M1 (France), DIN 4102 B1 (Germany) (optional)

Technical Data

Figure: Sound absorption degree of Evolon® 100g/sqm with and without flame-retardant treatment

Measures in impedance tube, acc. ISO 10 534. Wall distance: 30mm



Colors: white, anthracite, or customized colors
Weights: 60 – 80 g/sqm (composite), 100 g/sqm

For optimal performance, combining Evolon® with an air space may be needed.