

SILENT FLOOR TEX

UNDERSCREED MEMBRANE MADE OF RECYCLED TEXTILE FIBRE AND RECYCLED

RECYCLED

The bottom felt is composed of textile fibres derived from production waste, which are then carefully examined and selected.

ACOUSTIC PERFORMANCE

Tested at the University of Bologna according to international standards for acoustic characterisation.

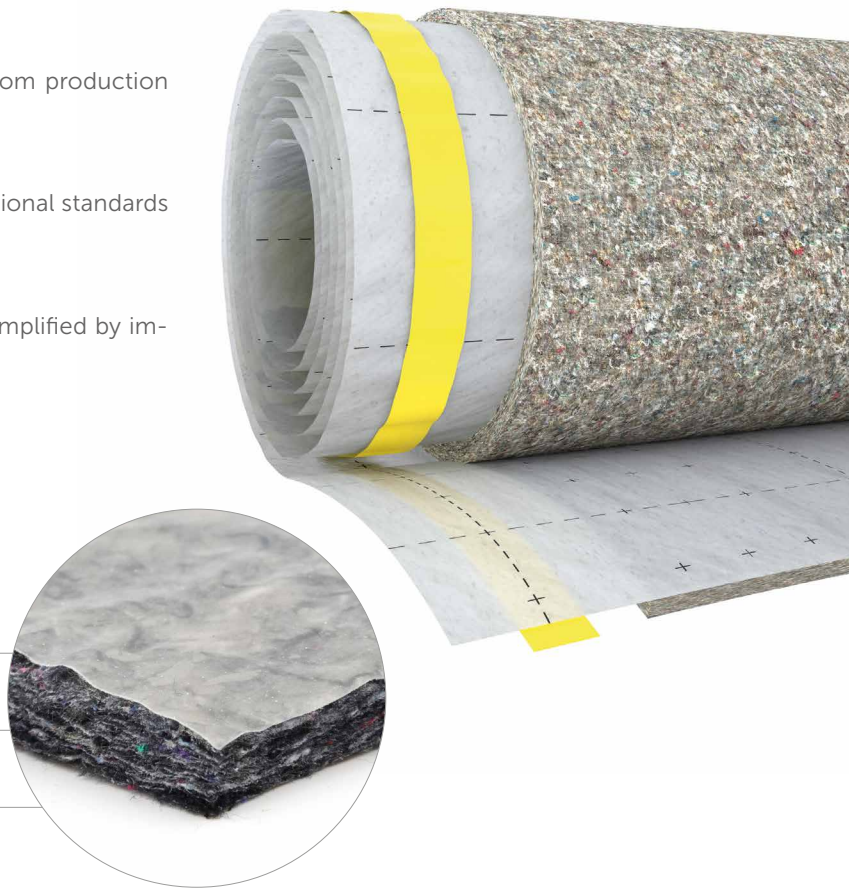
FAST INSTALLATION

Thanks to the integrated adhesive band, installation is simplified by immediately attaching the selvages to the overlaps.

COMPOSITION

polyethylene vapour barrier made from pre-consumer industrial waste

textile fibre felt made from pre-consumer industrial waste



CODES AND DIMENSIONS

| CODE | H ⁽¹⁾ [m] | L [m] | thickness [mm] | A _f ⁽²⁾ [m ²] | H ⁽¹⁾ [ft] | L [ft] | thickness [in] | A _f ⁽²⁾ [ft ²] |  |
|---------------|-------------------------|----------|-------------------|--|--------------------------|------------|-------------------|---|---|
| SILFLOORTEX6 | 1,10 | 10 | 6 | 10 | 3' 7 1/4" | 32' 9 3/4" | 0.24 | 108 | 12 |
| SILFLOORTEX10 | 1,10 | 10 | 10 | 10 | 3' 7 1/4" | 32' 9 3/4" | 0.39 | 108 | 6 |
| SILFLOORTEX15 | 1,10 | 5 | 15 | 5 | 3' 7 1/4" | 16' 4 7/8" | 0.59 | 54 | 12 |

⁽¹⁾1 m felt and vapour barrier + 0.10 m vapour barrier for overlap with integrated adhesive strip (3' 3 3/8" + 3 7/8")

⁽²⁾Without considering the overlap area.



WATERPROOF

Thanks to the polyethylene top layer, the product is perfectly impermeable to water and water vapour.

THE RANGE

Different thicknesses and thus technical specifications allow it to be used in different areas and for different screed thickness.

TECHNICAL DATA

SILENT FLOOR TEX - thickness 6 mm

| Properties | standard | value | USC conversion |
|--|--------------|------------------------------|------------------------|
| Thickness | - | 6 mm | 0.24 inch |
| Density ρ | - | approx. 90 kg/m ³ | 5.6 lb/ft ³ |
| Resistance to airflow r | ISO 9053 | 16,4 kPa·s·m ⁻² | - |
| Apparent dynamic stiffness s'_t | EN 29052-1 | 18,2 MN/m ³ | - |
| Dynamic stiffness s' | EN 29052-1 | 33 MN/m ³ | - |
| Compressibility class | EN 12431 | CP2 | - |
| Theoretical estimate of impact sound pressure level attenuation $\Delta L_w^{(1)}$ | ISO 12354-2 | 26,5 dB | - |
| System resonance frequency $f_0^{(2)}$ | ISO 12354-2 | 82,2 Hz | - |
| Water vapour transmission Sd | EN ISO 12572 | approx. 20 m | approx. 0.17 US perm |

⁽¹⁾ $\Delta L_w = (13 \lg(m')) - (14,2 \lg(s')) + 20,8$ [dB] con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft).

⁽²⁾ $f_0 = 160 \sqrt{(s'/m')}$ con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft)

SILENT FLOOR TEX - 10 mm thick

| Properties | standard | value | USC conversion |
|--|--------------|------------------------------|------------------------|
| Thickness | - | 10 mm | 0.39 inch |
| Density ρ | - | approx. 80 kg/m ³ | 4.9 lb/ft ³ |
| Resistance to airflow r | ISO 9053 | 31,5 kPa·s·m ⁻² | - |
| Apparent dynamic stiffness s'_t | EN 29052-1 | 12,8 MN/m ³ | - |
| Dynamic stiffness s' | EN 29052-1 | 25 MN/m ³ | - |
| Compressibility class | EN 12431 | CP3 | - |
| Theoretical estimate of impact sound pressure level attenuation $\Delta L_w^{(1)}$ | ISO 12354-2 | 28,2 dB | - |
| System resonance frequency $f_0^{(2)}$ | ISO 12354-2 | 71,6 Hz | - |
| Water vapour transmission Sd | EN ISO 12572 | approx. 20 m | approx. 0.17 US perm |

⁽¹⁾ $\Delta L_w = (13 \lg(m')) - (14,2 \lg(s')) + 20,8$ [dB] con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft).

⁽²⁾ $f_0 = 160 \sqrt{(s'/m')}$ con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft)

SILENT FLOOR TEX - 15 mm thick

| Properties | standard | value | USC conversion |
|--|--------------|-------------------------------|----------------------|
| Thickness | - | 15 mm | 0.59 inch |
| Density ρ | - | approx. 100 kg/m ³ | 6 lb/ft ³ |
| Resistance to airflow r | ISO 9053 | 24,4 kPa·s·m ⁻² | - |
| Apparent dynamic stiffness s'_t | EN 29052-1 | 12,8 MN/m ³ | - |
| Dynamic stiffness s' | EN 29052-1 | 22 MN/m ³ | - |
| Compressibility class | EN 12431 | CP3 | - |
| Theoretical estimate of impact sound pressure level attenuation $\Delta L_w^{(1)}$ | ISO 12354-2 | 29 dB | - |
| System resonance frequency $f_0^{(2)}$ | ISO 12354-2 | 67,1 Hz | - |
| Water vapour transmission Sd | EN ISO 12572 | approx. 20 m | approx. 0.17 US perm |

⁽¹⁾ $\Delta L_w = (13 \lg(m')) - (14,2 \lg(s')) + 20,8$ [dB] con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft).

⁽²⁾ $f_0 = 160 \sqrt{(s'/m')}$ con $m' = 125 \text{ kg/m}^2$ (25.60 lb/sft)



PERFORMANCE

Theoretical estimate of impact sound pressure level reduction

ΔL_w : 29 dB

(for 15 mm thickness)



See the manual for more information.