

SILENT FLOOR NET 3D

BREATHABLE MEMBRANE WITH THREE-DIMENSIONAL RESILIENT MAT

SOUNDPROOFING

The special structure of the three-dimensional mat ensures a reduction in impact noise by acting as a resilient layer.

PROTECTIVE FELT

The fabric protects the three-dimensional mesh from impurities or processing residues that would compromise its functionality.

HIGH DENSITY 3D GRID

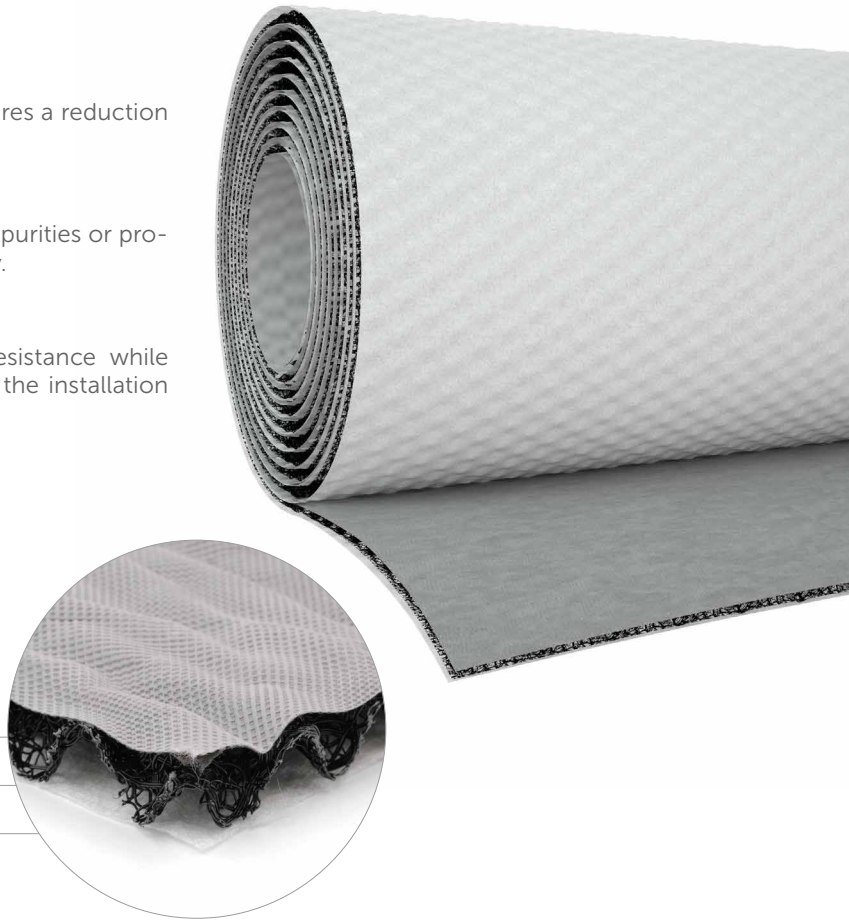
The three-dimensional mat has a high mechanical resistance while maintaining the functionality of the product even after the installation and construction phase.

COMPOSITION


breathable three-layer polypropylene membrane

3-dimensional polypropylene mat

non-woven polypropylene fabric



CODES AND DIMENSIONS

CODE	H	L	thickness	A	H	L	thickness	A	
	[m]	[m]	[mm]	[m ²]	[ft]	[ft]	[in]	[ft ²]	
SILTNET20	1,0	16	20	16	3' 3 3/8"	52' 5 7/8"	0.79	172	3



BREATHABLE

The product consists of a three-layer membrane that ensures breathability, air and water impermeability even during installation.

VERSATILE

It can also be used as a micro-ventilation layer in both wall and roof, keeping adjacent layers dry and improving thermo-acoustic performance.

TECHNICAL DATA

Properties	standard	value	USC conversion
Thickness	-	20 mm	0.79 in
Surface mass m	-	1 kg/m ²	0.21 lb/sft
Density ρ	-	50 kg/m ³	30 lb/ft ³
Resistance to airflow r	ISO 9053	< 10,0 kPa s m ⁻²	-
Apparent dynamic stiffness s' _t ⁽³⁾	EN 29052-1	21,1 MN/m ³	-
Dynamic stiffness s' ⁽³⁾	EN 29052-1	21,1 MN/m ³	-
Apparent dynamic stiffness s' _t ⁽⁴⁾	EN 29052-1	29,9 MN/m ³	-
Dynamic stiffness s' ⁽⁴⁾	EN 29052-1	29,9 MN/m ³	-
Compressibility class	EN 12431	CP2	-
Theoretical estimate of impact sound pressure level attenuation ΔL _w ⁽¹⁾	ISO 12354-2	29,3 dB	-
System resonance frequency f ₀ ⁽²⁾	ISO 12354-2	65,6 Hz	-
Thermal conductivity λ	-	0,3 W/(m·K)	0.020 BTU/(h·ft ² ·°F)
Specific heat c	-	1800 J/(kg·K)	0.43 BTU/(lb·°F)
Watertightness	EN 1928	class W1	-
Water vapour transmission Sd	EN ISO 12572	0,03 m	116 US perm
Reaction to fire	EN 13501-1	E	-

⁽¹⁾ΔL_w = (13 lg(m')) - (14,2 lg(s')) + 20,8 [dB] con m' = 125 kg/m² (25.60 lb/sft).

⁽²⁾f₀ = 160 √(s'/m') con m' = 125 kg/m² (25.60 lb/sft).

⁽³⁾Dynamic stiffness value that can be used for creating dry floating screeds (e.g. fiber plaster slabs).

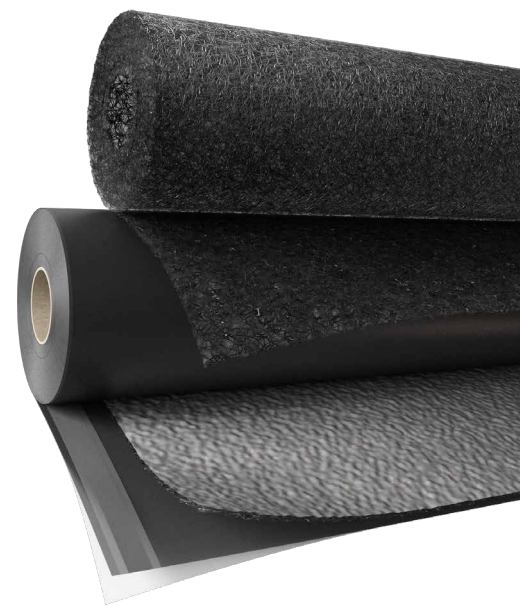
⁽⁴⁾Dynamic stiffness value for creating sand and cement-based floating screeds.

WHAT ABOUT ROOFS? TRASPIR METAL IS FOR THREE

Tested, certified and unique, TRASPIR METAL is the 3D mesh insulation solution for reducing airborne noise and heavy rain.

The product line consists of three-dimensional metal roofing mats with high mechanical strength and excellent protective capacity. TRASPIR 3D COAT TT and 3D NET are composed of materials that promote micro-ventilation and block the entry of impurities into the cover. Both available with a waterproof lower membrane and with draining TNT upper membrane.

Read more on page 70.



PERFORMANCE

Theoretical estimate of impact sound pressure level reduction

ΔL_w : **29,3 dB**

See the manual for more information.

