TECSOUND® 2FT80

TECSOUND® 2FT 80 is a soundproofing complex made up of the TECSOUND® synthetic and viscoelastic membrane sandwich in between two porous felt.
The multilayer complex offers excellent acoustic insulation in different building elements.

ADVANTAGES

- High sound-insulation combined with light and rigid elements such gypsum boards or with brick walls.
- Flexible and adaptable to uneven surfaces.
- Good behavior at low temperatures, without breaking or cracking.
- Easy to handle and cut with a knife or scissors.
- Ageing resistance.
- Rot proof.

APPLICATIONS

Soundproofing of ceilings and vertical partitions, where excellent soundproofing against airborne noise is required.

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- Especially recommended in cavity partition walls and sound-insulation of masonry walls with plasterboard lining;
- Reduction of impact noise level in concrete floors, applied underneath the mortar screed.
- Its main applications cover new jobs and refurbishing work.

REGULATIONS

- Laboratory tests reports according to EN ISO 140-1, EN ISO 140-3, EN ISO 140-6, EN ISO 140-8, EN ISO 10140 and EN ISO 717/1/2.

INSTALLATION

SUBSTRATE:

- TECSOUND® 2FT 80 lends itself to all types of normal building substrates (renderings, gypsum, board, metal, DM, plastic materials).
- The substrate must be even, smooth, clean and dry. It must also be free from elements that could damage the membrane. If the rendering is old, its condition must be checked to avoid adherence problems of the TECSOUND® 2FT 80 sheet to the rendering.

WARNINGS

- Make sure the support is free of moisture before placing the product.

ACOUSTIC INSULATION

SOPREMA reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to an inappropriate use of the product. The values shown in the technical sheet are the mean values from the tests in our lab.

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TECHNICAL DATA SHEET

TDS_MISES0101.c.EN_TECSOUND 2FT80

INSTALLATION OF THE SOUNDPROOFING COMPLEX:

- Prior to installing the product, apply the adhesive to both substrate and soundproofing complex surfaces being bonded with a notched scraper, brush or trowel to produce a thin film.
- Leave the adhesive to become touch dry according to the instructions of manufacturer before bonding the two surfaces.
- Press the two surfaces together and apply firm pressure with a hand rubber roller.
- The product could be installed mechanically fastened (number of fixings on walls: 4 units/m2, on ceilings: 5 units/m2). Plastic or PVC fasteners FIJACIÓN PT-H must be used.
- Overlap contiguous rolls 5 cm, both vertically and horizontally, using adhesive to seal the joints. Always seal the joints correctly, as small openings can reduce the acoustic insulation level required.

WARNINGS

- Make sure that adhesive is in contact with the entire surface of the support, especially when it is not flat.

PACKAGING AND STORAGE

	TECSOUND® 2FT 80
Weight (Kg/m^2)	8.2
Thickness (mm)	24.0
Length (m)	5.50
Width (m)	1.20
m^2/roll	6.60
Rolls/pallet	6
m^2/pallet	39.6
Storage	Store the rolls horizontally, inside its original packaging, on a pallet protected against moisture, sunlight and heat at a temperature ≤ +35 °C. Do not stack the pallets on top of each other. The rolls have a shelf life of 1 year. In cold periods, installation can be facilitated by leaving the product at +2 °C at least during a minimum of 5 h before use.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	TECSOUND 2FT	Unit
Density	-	2.010	Kg/m^3
Density (porous felt)	-	60	Kg/m3
Compressive strength	ISO 3386-1:1986 Adm 2010	0.06 (10% deformation)	KPa
6 (25% deformation)	KPa		
Tensile strength	NT-67	> 30	N/ 50 mm
Application temperature(1)	-	5 up to 35	ºC
Static Service Temperature	-	-10 up to 70	ºC
Resistance to tearing (nail shank)	EN 12310-1	153-235 (2)	N/50 mm
Thermal conductivity (porous felt)	EN 12667	0.034	W/m·ºC
Young module (E)	-	1,35637 x 1,1744	MPa
Poisson coefficient	-	0,23	-

(1) Ranges of temperatures during installation

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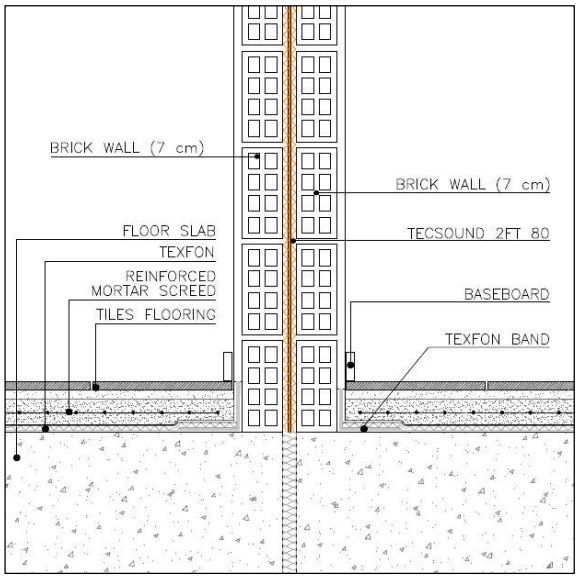
SOUND INSULATION

CHARACTERISTICS	Test Method	Weighted sound reduction index R_W	
TECSOUND 2FT 80	EN ISO 140-3	28	dB

EXEMPLE OF SOUND INSULATION ON MASONRY HOLLOW BRICK WALLS

FREQUENCY (Hz)	R with (*) TECSOUND	R without TECSOUND	unit
125	42,3	38,2	dB
250	41	37,3	dB
500	44,8	41,4	dB
1000	50	52,7	dB
2000	55	65,8	dB
4000	64	68,6	dB
R_W (acoustic reduction index)	**50**	**48**	dB
Testing according to UNE-EN ISO 140-3:1995			



SPECIAL INDICATIONS

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

Quality, Environment and Safety Management

SOPREMA always recognizes as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

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