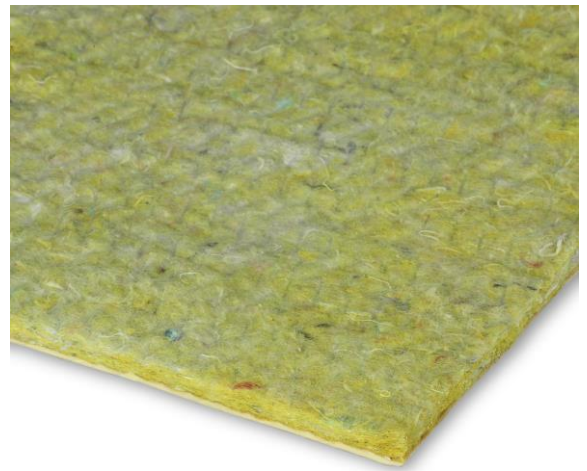


Tecsound® FT

Tecsound® FT is a soundproofing complex made up of the Tecsound® synthetic and viscoelastic membrane bonded to a porous felt. The association of both offers excellent acoustic insulation in different building elements.

ADVANTAGES

- High sound-insulation combined with lightweight materials such as foams, fibrous materials and rigid panels.
- 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.

- 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.
- CE marking not required for the acoustic insulation products, as there is no harmonized European Standard or European Technical Assessment (ETA) applicable within the scope of the European Construction Products Regulation No. 305/2011
- Environmental Product Declaration (EPD, Type III environmental declaration) according to the standards: ISO 14025 and EN UNE 15804 +A2:.

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.

INSTALLATION

SUBSTRATE:

- **Tecsound® FT** 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® FT** sheet to the rendering.

WARNINGS

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

INSTALLATION OF THE SOUNDPROOFING COMPLEX:

- Prior to installing the product, apply the **Sopraglue Acoustic** adhesive to both substrate and soundproofing complex surfaces being bonded with a notched scraper, brush or trowel to produce a thin film.
- Leave the **Sopraglue Acoustic** 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.
- Install the complex placing the edges of contiguous rolls butt joint. Inside cavity masonry walls and ceilings, contiguous rolls can be overlapped.
- Always seal the joints correctly, as small openings can reduce the acoustic insulation level required.
- For vertical application, seal the joints using **Tecsound® S Band 50**. In case of horizontal application and overlapped joints, aluminum adhesive tape shall be used.

WARNINGS

- Make sure that **Sopraglue Acoustic** adhesive is in contact with the entire surface of the support, especially when it is not flat.
- Substrate temperature must be at least 5°C.

PACKAGING AND STORAGE

	Tecsound®			
	FT 40	FT 55	FT 75	
Weight (Kg/m ²)	4.1	5.6	7.6	
Thickness (mm)	12.0	12.5	14.0	
Length (m)	6.0	5.50	5.50	
Width (m)	1.20	1.20	1.20	0.60
m ² /roll	7.20	6.60	6.60	3.30
Rolls/pallet	12	12	12	24
m ² /pallet	86.4	79.2	79.2	79.2
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.			



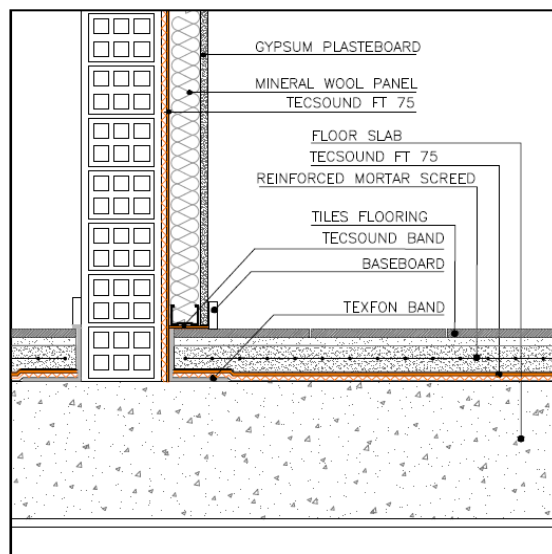
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TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Tecsound FT	Unit
Density	-	2.010	Kg/m ³
Density (porous felt)	-	60	kg/m ³
Compressive strength	ISO 3386-1: 1986 Adm 2010	0.06 (10% def) 6 (25% def)	KPa
Tensile strength	EN 12311-2	> 30	N/ 50 mm
Application temperature ⁽¹⁾	-	5 up to 35	°C
Static Service Temperature	-	-10 up to 70	°C
Resistance to tearing (nail shank)	EN 12310-1	153-235 ⁽²⁾	N/50 mm
Thermal conductivity (porous felt)	EN 12667	0.034	W/m·°C
Young module (E)	-	1,35637 x 1,1744	MPa
Poisson coefficient	-	0,23	-

⁽¹⁾ Ranges of temperatures during installation



SOUND INSULATION

CHARACTERISTICS	Test Method	Weighted sound reduction index R _w	
TECSOUND FT 75	EN ISO 10140-2	30	dB
TECSOUND FT 55	EN ISO 10140-2	27	dB
TECSOUND FT 40	EN ISO 10140-2	25	dB
	Test Method	Impact noise insulation ΔL _w	
	EN ISO 140-8:1998	22	dB

EXAMPLE OF SOUND INSULATION ON MASONRY WALLS

FREQUENCY (Hz)	R with (*) TECSOUND	R without TECSOUND	unit
125	40,1	32,9	dB
250	47,7	33,5	dB
500	52,7	41,4	dB
1000	60,1	51,2	dB
2000	64,6	61,3	dB
4000	82,1	68,6	dB
R_w (acoustic reduction index)	58	46	dB

Testing according to EN ISO 10140-2:2011

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**.



ACOUSTIC INSULATION

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