

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 18052109ME001

DESCRIPTION

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.

STORAGE & HANDLING

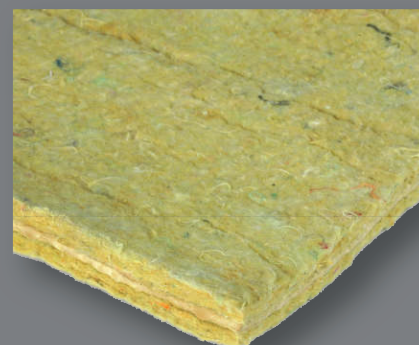
TECSOUND® 2FT 80 should be stored in a dry, properly shaded and well ventilated storage space.

USER APPLICATION

TECSOUND® 2FT 80 is used in various applications. All the application guidelines are described in SOPREMA's Technical Manuals in force.

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
- Aging resistance
- Rot proof



HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.

COMPOSITION & PACKAGING

PROPERTY	TECSOUND® 2FT 80
Weight	8.2 kg / m ²
Thickness	24.0 mm
Length	5.50 m
Width	1.20 m
Roll / pallet	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

PROPERTY	STANDARD	TECSOUND® 2FT 80
Density	-	2.010 kg / m ³
Density (porous felt)	-	60 kg / m ³
Compressive strength	ISO 3386 - 1:1986 Adm 2010	0.06 (10% deformation), 6 (25% deformation) kPa
6 (25% deformation)	KPa	- 25 °C
Tensile strength	NT - 67	> 30 N / 50mm
Application temperature	-	5 up to 35 °C
Static service temperature ⁽¹⁾	-	-10 up to 70 °C
Resistance to tearing (nail shank)	EN 12310 - 1	153 - 325 (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

Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

Data is represented by average values, unless noted otherwise.

(1) Ranges of temperatures during installation

ACOUSTIC DATA APPLIED PRODUCT

FREQUENCY	R with TECSOUND® 2FT 80	R without TECSOUND® 2FT 80
125	42.3 dB	38.2 dB
250	41 dB	37.3 dB
500	44.8 dB	41.4 dB
1000	50 dB	52.7 dB
2000	55 dB	65.8 dB
4000	64 dB	68.6 dB
R _w (acoustic reduction index)	50 dB	48 dB
Testing according to UNE - EN ISO 140-3 : 1995		

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

