

## PRODUCT DATA SHEET

### DESCRIPTION

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.

### STORAGE & HANDLING

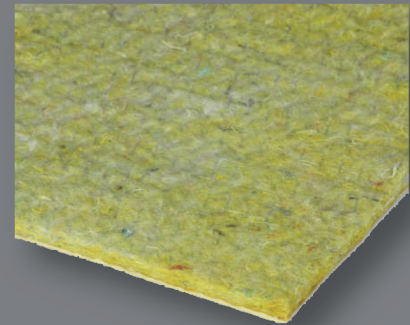
TECSOUND® FT should be stored in a dry, properly shaded and well ventilated storage space.

### USER APPLICATION

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

#### 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



### 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® FT 40	TECSOUND® FT 55	TECSOUND® FT 75
Weight	4.1 kg / m <sup>2</sup>	5.6 kg / m <sup>2</sup>	7.6 kg / m <sup>2</sup>
Thickness	12 mm	12.5 mm	14 mm
Length	6 m	5.50 m	5.50 m
Width	1.20 m	1.20 m	1.20 m, 0.60 m
Roll / pallet	12	12	12, 24
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 5h before use.		

## TECHNICAL PROPERTIES

PROPERTY	STANDARD	TECSOUND® FT
Density	-	2.010 kg / m <sup>3</sup>
Density (porous felt)	-	60 kg / m <sup>3</sup>
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 <sup>(1)</sup>	-	-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® SY	R without TECSOUND® SY
125	40.1 dB	32.9 dB
250	47.7 dB	33.5 dB
500	52.7 dB	41.4 dB
1000	60.1 dB	51.2 dB
2000	64.6 dB	61.3 dB
4000	82.1 dB	68.6 dB
R <sub>w</sub> (acoustic reduction index)	58 dBA	46 dB
Testing according to EN ISO 10140-2:2011		

See our Solutions Manual or contact our Technical Department to know about other systems

## TESTING AND CERTIFICATIONS



## SUSTAINABILITY AND ENVIRONMENT

