

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 18012109ME001

DESCRIPTION

TECSOUND® is a high density polymer-based, asphalt-free, synthetic soundproofing membrane, that offers good acoustic insulation in different building elements.

It is equipped with a tissue non-tissue polypropylene fleece on its upper side to improve the tear strength of the membrane and at the same time offer a protection or a finishing.

STORAGE & HANDLING

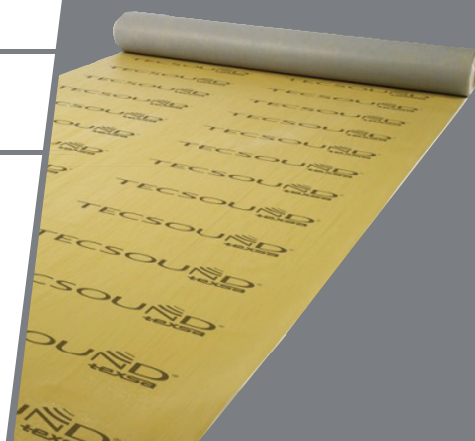
TECSOUND® should be stored in a dry, properly shaded and well ventilated storage space.

USER APPLICATION

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

ADVANTAGES

- High acoustic insulation, combined with soft, flexible elements
- High sound damping capacity on metal surfaces
- Flexible
- Easy to handle and adaptable to uneven surfaces
- Easy to cut with a knife or scissors
- Good bonding to most of the types of surfaces
- Acts as a vapour control layer
- Cold- and heat-resistance
- Excellent ageing resistance
- Rotproof



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® 35	TECSOUND® 50	TECSOUND® 70	TECSOUND® 100
Weight	3.5 kg / m ²	5 kg / m ²	7 kg / m ²	10 kg / m ²
Thickness	1.75 mm	2.5 mm	3.5 mm	5 mm
Length	8 m	6 m	5 m	4 m
Width	1.22 m	1.22 m	1.22 m	1.2 m
Roll / pallet	24	24	24	21
Storage	Horizontal in pallets, without stacking. Product supplied in rolls with carton core inside. Store it into the original packaging, in dry conditions and protected from hot temperatures and UV radiation, not exposed to temperatures higher than 35 °C. The maximum period of storage is 1 year .			

TECHNICAL PROPERTIES

PROPERTY	STANDARD	TECSOUND®
Density	-	2.010 kg / m ³
Tensile strength	NT - 67	> 30 N / 50mm
Elongation	NT - 67	> 500 %
Cold flexibility	EN 1109	- 20 °C
Tear Strength (nail)	EN 12310 - 1	153 - 235 N / 50mm
Fire class	UNE - EN 13501 - 1	Bs2d0
Vapour water resistant factor	UNE - EN 1931 met B	$\mu \geq 1806$
Water absorption (24h a 23°C)	ISO 62 met 1	0.003 %
Shore hardness A	NT 74	30 \pm 10
Young module (E)	-	DM - 1.35637, DT-11744 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.

ACOUSTIC DATA APPLIED PRODUCT

FREQUENCY	R with TECSOUND®	R without TECSOUND®
125	23.7 dB	16.4 dB
250	24.2 dB	15.3 dB
500	29.2 dB	23.2 dB
1000	35.4 dB	25 dB
2000	43.4 dB	30.3 dB
4000	54.6 dB	39.7 dB
Weighted Sound Reduction Index A, R _A	33 dBA	25 dB
Sound Reduction Index, R _w	34 dB	26 dB

Data according to the test of acoustic air noise insulation under UNE EN ISO 140-3:1995 standard by approved laboratory SRL (UK).

Metal deck roof made of a corrugate metal sheet of 0.7 mm. support, TECSOUND 100 membrane, PIR thermal panel insulation AISLADECK VV 80, separation layer and single ply synthetic FLAGON SR / FLAGON EP/PR.

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

