

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 18022109ME001

DESCRIPTION

TECSOUND® SY is a polymer based, bitumen-free, high-density synthetic self-adhesive membrane. The combination of its viscoelasticity and its high-density offers good sound-insulation in different construction elements without increasing thickness. The upper face has a finish of PE film. The lower face is selfadhesive allowing its direct application on most building surfaces.

STORAGE & HANDLING

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

USER APPLICATION

TECSOUND® SY 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 as gypsum boards
- High sound damping capacity on metal surfaces, thus improve insulation to rainfall noise on metal decks
- Reaction-to fire classified
- 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
- High elongation at break
- May act as a vapor control layer
- Negligible water absorption
- 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® SY 35	TECSOUND® SY 50	TECSOUND® SY 70	TECSOUND® SY Z100
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	Product supplied in rolls with carton core inside and individual protection cover. 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® SY
Density	-	2.010 kg / m ³
Tensile strength	NT - 67	> 30 N / 50mm
Elongation	NT - 67	> 500 %
Pliability	EN 1109	- 25 °C
Application temperature ⁽¹⁾	-	5 up to 35 °C
Static service temperature	-	-10 up to 70 °C
Fire classification	UNE-EN 13501-1	B-s2,d0 ⁽²⁾
Vapour water resistant factor	UNE - EN 1931 met B	μ ≥ 1806
Water absorption (24h a 23°C)	ISO 62 met 1	0.003 %
TVOC after 28 days	EN 16516	≤ 60 μg / m ³
Indoor Air Comfort Gold limit values	-	PASS
Shore hardness A	NT 74	30 ± 10
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

(2) Valid from TECSOUND SY 35 to TECSOUND SY 70

ACOUSTIC DATA APPLIED PRODUCT

FREQUENCY	R with TECSOUND® SY	R without TECSOUND® SY
125	34.3 dB	22.5 dB
250	43.8 dB	40.5 dB
500	55.2 dB	52.0 dB
1000	59.9 dB	57.0 dB
2000	63.9 dB	52.4 dB
4000	61.0 dB	47.6 dB
R _w (acoustic reduction index)	56 dBA	47.6 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

