



TECSOUND® SY35, 50, 70 & 100

TECSOUND® SY 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 self-adhesive layer, to allow its direct application on the majority of building surfaces

PROPERTIES

- High acoustic insulation, combined with soft, flexible elements.
- Flexible.
- Great elongation capacity
- Easy handling and adaptable to uneven surfaces.
- Good bonding to most of the types of surfaces.
- Acts as a vapour control layer
- Cold- and heat-resistance.
- Excellent ageing resistance.
- Rotproof.

USES

- Soundproofing against airborne noise in vertical walls with low surface density (lightweight partition walls or boards made of different materials).
- Soundproofing against airborne noise in ceilings and lightweight roofs.
- Reduction of impact noise level in all types of floors, sandwiched between floor slabs and loose-laid flooring.
- Damping of impact noise caused by atmospheric agents on metal decks.
- Combined with sound-absorbent materials, it offers products with high acoustic performance.
- Its applications in the industrial field cover from the soundproofing of booths to the acoustic insulation of machine-rooms, gutter pipes, sound-damping of metal sheets, etc.

For further information see examples in systems sheets.

TECHNICAL DATA

Test	Value
Density	2.0 g/cm ³
Pliability (UEAtc)	Does not break with bending at -20°C
Tensile strength (UNE 104-281/6.6)	30 N/cm ²
Elongation (UNE 104-281/6.6)	300%
Compressive strength	4.84 Kg/cm ²
Soundproofing properties	See systems sheet

INSTRUCTIONS FOR USE

Substrate: TECSOUND® SY 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 sheet to the rendering.



Installation of the membrane: Remove the protective silicone release paper, and align the membrane on the substrate, exerting pressure over the whole membrane to ensure good bonding. If the length of product is very large, or it is applied in rolls, remove the protective release paper progressively to aid installation.

Installation of the membrane on metal decks: The membrane must be applied in such a way that the length of the roll is perpendicular to the direction of the fretwork. The membrane must be made to follow the profile of the metal support at all times, ensuring that there is no formation of air pockets. The thermal insulation boards are then installed, mechanically fastened.

Laps: Overlap 5 cm both vertically and horizontally. Care must be taken to always seal the laps correctly, as small openings can reduce the level of acoustic insulation required.

Yield: 1 m² of membrane covers approximately 0.95 m² of surface area, including overlaps.

PACKAGING AND STORAGE

Type	Kg/m ²	Thickness (mm.)	Packaging	Rolls / Sheets per pallet
Tecsound® SY35	3.5	1.75 mm.	8,05 x 1.22 m. rolls	24 rolls (235.7 m ²)
Tecsound® SY50	5	2.5 mm.	6.05 x 1.22 m. rolls	24 rolls (177.14 m ²)
Tecsound® SY70	7	3.5 mm.	5.00 x 1.22 m. rolls	24 rolls (147.86 m ²)
Tecsound® SY100	10	5 mm.	4.00 x 1.20 m. rolls 1.00 x 1.20 m. sheets	21 rolls (100.8 m ²) 75 sheets (90 m ²)

The product must be stored in dry premises, protected against weathering, and must not be exposed to temperatures exceeding 35°C for long time. Maximum recommended storage time is one year.



TEXSA, S.A. reserves the right to modify the data herein without previous notice and refuses all responsibility in the event of irregularities caused by incorrect use of the product. Values reflected in the technical data sheet correspond to average values obtained from tests carried out in our laboratory.