TECSOUND® SY

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

ADVANTAGES

- 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.

APPLICATION

- 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.

REGULATIONS

· In accordance with the following norms: CTE-DB-HR, EN ISO 140-1, EN ISO 140-3, EN ISO 140-6, EN ISO 140-8, EN 20140-2 and EN ISO 717/1/2.
· Quality System in accordance with ISO:9001

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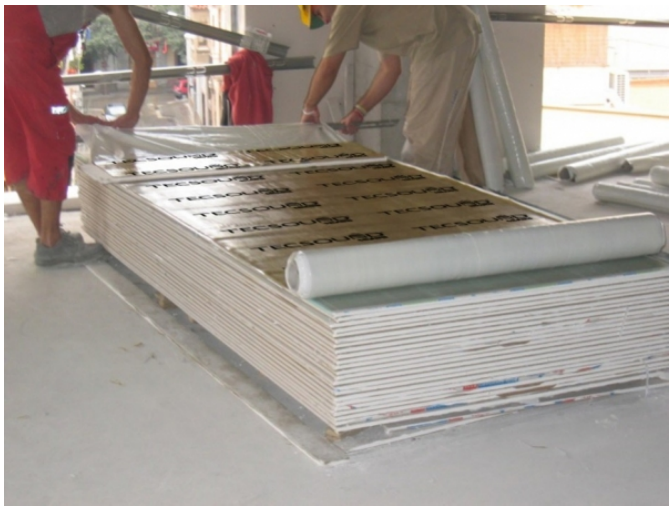
INSTALLATION

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.



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PACKAGING AND STORAGE

XXXXX	TECSOUND® SY35	TECSOUND® SY50	TECSOUND® SY70	TECSOUND® SY100
Weight (Kg/m2)	3.5	5	7	10
Thickness (mm.)	1.75	2.5	3.5	5
Length (m.)	8.05	6.05	5.05	4
Width (m.)	1.22	1.22	1.22	1.2
m2/pallet	235.7	177.12	147.84	100.8

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 tan 35 ºC. The maximum period of storage is 1 year.

TECHNICAL PROPERTIES

Characteristic	Unit	Test method	TECSOUND® SY
Density	Kg/m3	-	2000
Plegability	ºC	UEAtc	-20 ºC
Tensile strength	N/cm2	UNE 104-281/6.6	30
Elongation	%	UNE 104-281/6.6	3
Compressive strength	Kg/cm2	-	4.84
Vapour water resistant factor	-	UNE-EN 1931	$\mu \geq 4.15 \cdot 104$

Acoustic insulation: See manual

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