

TECSOUND® is a high-density, polymer-based, synthetic soundproofing membrane, asphalt-free, which provides good acoustic insulation in the different construction elements.

Standard

NBE-CA-88, (currently being revised).

Properties

- High acoustic insulation, combined with flexion-pliable elements (sheet plaster, carrier board).
- Flexible.
- High elongation capacity.
- Easy to handle and adaptable to uneven surfaces.
- Hot and cold-resistant.
- Self-extinguishing.
- Excellent ageing-resistance.
- Rot-proof.

Applications

- Airborne noise insulation in vertical surfaces with low surface mass (lightweight partitions or panels in various materials).
- Airborne noise insulation in ceilings.
- Reduction of impact noise level in all types of frameworks, in formation of floating floors.
- Damping of impact noise produced by atmospheric agents in metal roofs.
- In combination with sound-absorbent materials, it results in products with high acoustic performance characteristics.
- Its applications in the industrial sector range from soundproofing booths to insulation of machine rooms, drainpipes, acoustic damping of metal sheeting, etc.

For further information, see examples in the system data sheets.

Technical data

Test	Value
Density (g/cm ³)	1.90 ± 0.05
Pliability (UEAtc)	Does not break when bent at -20 °C
Tensile strength (UNE 104-281/6.6)	30 N/cm ²
Elongation (UNE 104-281/6.6)	300%
Crushing strength	4.84 Kg/cm ²
Acoustic properties	See system data sheets

Instructions for use

Support: Admits all habitual types of construction supports (sheet plaster, metal, carrier board, plastics). The support must be even, smooth, clean and dry. It must furthermore be dry and cleaned of any elements that could damage the membrane. If the plaster coat is old, its condition should be checked to prevent problems with adherence of the Tecsound to the plaster coat.

Fitting the membrane: The membrane is laid over the support after application of **LS Adhesive** to the membrane and the support, first leaving this to dry for 15-20 minutes before fitting.

Joins: Overlap 5 cm both vertically and horizontally. The precaution of sealing the joins correctly should always be taken, either with the adhesive or with hot air, as small openings can reduce the level of acoustic insulation required.

Quantity required: 1 m² of membrane covers approximately 0.90 m² of surface area, allowing for overlaps.

Presentation and storage

Type	kg/m ²	Thickness (mm)	Presentation	Nº of rolls-sheets / pallet
Tecsound 35	3.5	1.8	Rolls 6 x 1.05 m	22 rolls (138.6 m ²)
Tecsound 70	7	3.8	Sheets de 1.35 x 1.05 m Rolls de 5 x 1.05	100 pieces (142 m ²) 18 rolls (94.50 m ²)
Tecsound 100	10	5.3	Sheets 1.35 x 1.05 m	75 pieces (106.5 m ²)

It should be stored in a dry place, protected against the elements, and not exposed to temperatures over 35 °C.
The maximum recommended storage time is one year.

Auxiliary products

Type	Application	Approx. amount used	Presentation
Adhesivo LS	Adhesive for gluing the membrane to the surface	600 – 750 gr/m ²	25 Kg cans