



TECSOUND® FT55 AL

TECSOUND® FT55 AL is a soundproofing complex made up of a porous felt laminated to a Tecsound® membrane, high density polymer-based, asphalt-free, synthetic soundproofing membrane., that offers good acoustic insulation for pipes and conducts. It is faced with reinforced aluminium foil on its upper side as a protection or finishing of the membrane.

PROPERTIES

- Increases acoustic insulation of the duct element to which it is applied, basing its effect on the presence of an absorbent element and a high elasticity and high density insulating membrane
High sound damping capacity on metal surfaces.
- Flexible.
- Easy handling and adaptable to uneven surfaces.
- Easy application
- Cold- and heat-resistance.
- Excellent ageing resistance.
- Rotproof.

USES

- Soundproofing of PVC sewage ducts in building.
- Soundproofing of air conditioning ducts.
- Soundproofing of industrial pipes.
- 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% (Tecsound membrane)
Compressive strength	4.84 Kg/cm ²
Weight of aluminium foil	90 g/m ²
Thermal conductivity coefficient	0.037 W/m°C (felt)
Soundproofing properties	See systems sheet

INSTRUCTIONS FOR USE

Substrate: the substrate must be even, smooth, clean and dry. It must also be free from elements that could damage the membrane.

Installation: Measure the development of the duct to be soundproofed, adding 5 cm for overlaps. Use scissors or knife to cut the required quantity of TECSOUND FT55 AL, crosswise. Wrap the duct in such a way that the felt is, as much as possible, in contact with the surface, starting at the lower



part of the pipe. Use a plastic flange for anchoring, every 20 cm. To seal the overlaps, an aluminium adhesive tape is used. It is important that the joints are perfectly sealed to prevent diminishing of the insulation.

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 per pallet
Tecsound® FT55 AL	5,6	12,5 mm.	5,50 x 1,20 m. rolls	10 rolls (66 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.