

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.

ADVANTAGES

- 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.



APPLICATION

- 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.

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

Acoustic Insulation Tecsound®

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INSTALLATION

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.



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PACKAGING AND STORAGE

	TECSOUND® FT55 AL
Weight (Kg/m2)	5.6
Thickness (mm.)	12.5
Length (m.)	5.50
Width (m.)	1.20
m2/pallet	79.2

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 than 35 °C. The maximum period of storage is 1 year.

TECHNICAL PROPERTIES

CHARACTERISTICS	Unit	Test method	TECSOUND® FT55 AL
Density (Tecsoud)	Kg/m3	-	2000
Density (felt)	Kg/m3	-	60
Plegability	°C	UEAtc	-20 °C
Thermal conductivity	W/m °C	-	0.037

Acoustic properties: See manual

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