



FT 55 AL High Performance Acoustic HVAC Insulation

PRODUCT DESCRIPTION

FT 55 AL is a soundproofing complex made up of a porous felt mat and our high performance 5kg/m² synthetic acoustic membrane, faced with reinforced aluminium foil.

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.
- Flexible.
- Easy handling and adaptable to uneven surfaces.
- Cold- and heat-resistance.
- Excellent ageing resistance.
- On surfaces in good condition, installation can be corrected without loss of adhesiveness
- Rotproof.

TECHNICAL DATA

Test	Value
Density (membrane)	1.9g/m ³
Pliability (UEAtc)	Does not break when bent at -10°C
Tensile Strength (UNE 104-281/6.6)	>30 N/cm ² (Membrane)
Elongation (UNE 104-281/6.6)	300%
Thermal Conductivity Coefficient	0.037 W/m°C (felt)

PACKAGING AND STORAGE

Type	kg/m ²	Thickness (mm)	Packaging	Units per pallet
FT 55 AL	5.5	12.6	5 x 1m rolls	10 rolls (50m ²)

Instructions for use:

- Soundproofing of PVC sewage ducts in building.
- Soundproofing of air conditioning ducts.
- Soundproofing of industrial pipes.

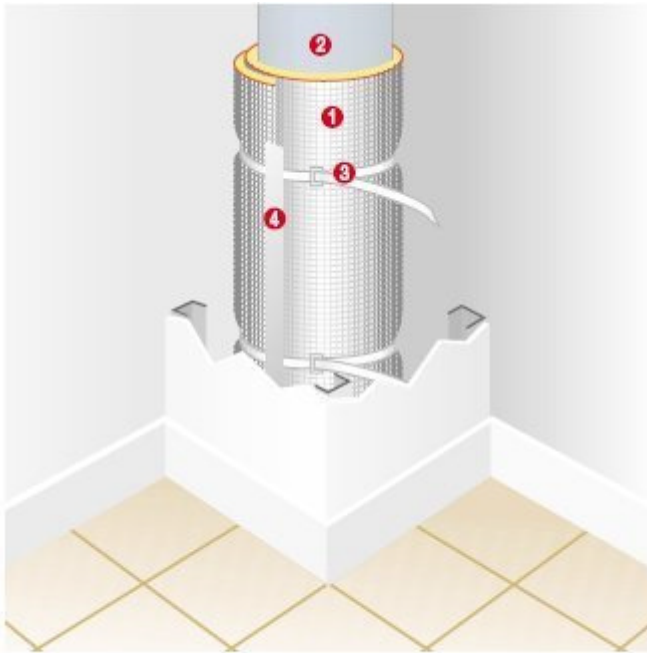
USES:

Installation: Measure the development of the duct to be soundproofed, adding 5 cm for overlaps. Use scissors to cut the required quantity of FT 55 AL, crosswise. Wrap tie duct in such a way that the textile 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.

SUPPORT:

The substrate must be free from materials which can damage the product both during and once applied, such as, mortar remains, etc.

DRAINPIPES



- 1. FT 55 AL
- 2. PVC drainpipe
- 3. Plastic flange
- 4. Aluminium tape

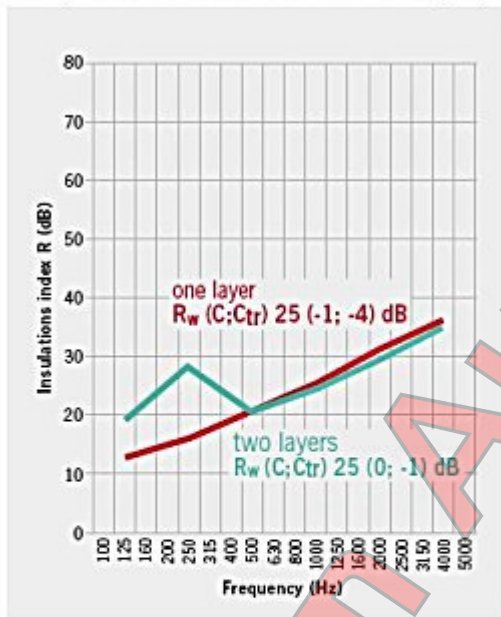
R_w 25 dB

Noise caused by the discharge of fluids in drainpipes is one of the commonest problems in residential and office buildings, due to low acoustic insulation provided by standard pipes built into walls and false ceilings. In one single product FT 55 AL gives you an absorbent material and a heavy layer insulating membrane, with the characteristics needed to provide an answer to this problem.

Applications

Soundproofing of drainpipes and soilpipes (especially at the elbows) as well as ductwork.

Comparative acoustic insulation graph



Freq.(Hz)	125	250	500	1000	2000	4000
R (dB)	12.1	16.0	20.6	25.7	30.9	36.3
R (dB)	19.7	28.5	20.0	24.4	29.1	34.1

This test was conducted with a numerical calculation value which gives a very close result to the actual insulation value.

All information contained in these details is given in good faith but without warranty. Custom Audio Designs reserves the right to alter the specifications of any product without notice.