

tecsound[®] ft

SOUNDPROOFING MEMBRANE



TECHNICAL DATA SHEET - BPIR CLASS 1

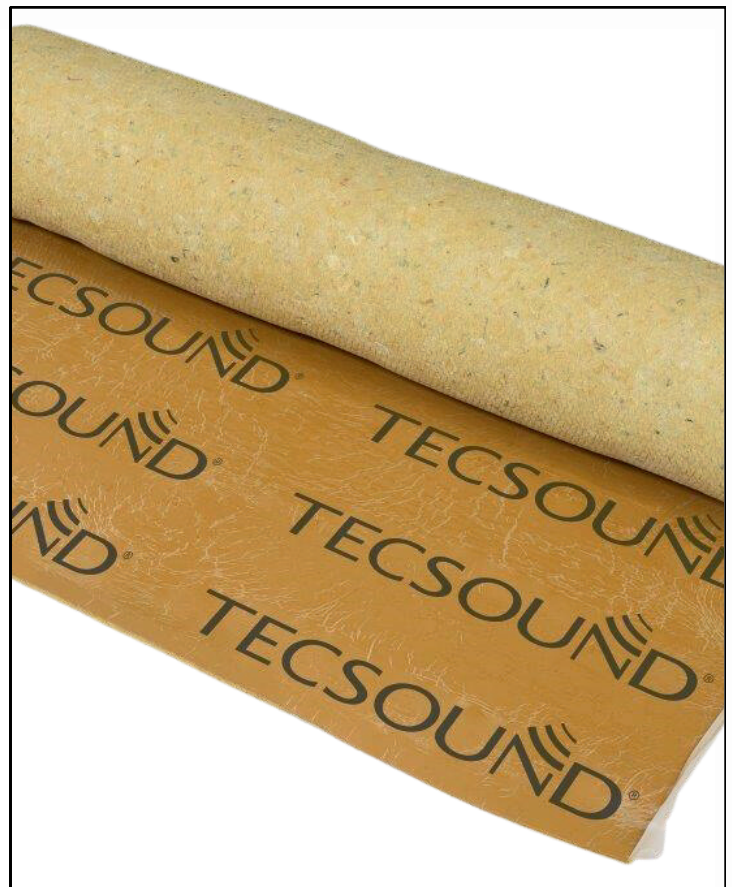


tecsound® ft

Acoustic Ceiling Panel - α_w 6.5, NRC 0.65

Technical Data Sheet - BPIR Class 1

TECSOUND® FT is a mass loaded barrier designed for soundproofing of larger diameter pipes, and vertical surfaces.



Application

- New construction, refurbishment work, apartments, cinemas, theatres, sports complexes, night clubs, bars, restaurants, hotels, shopping centres.
- Residential or commercial buildings where liquids are moved via pipes through walls or floor/ceiling voids.
- Soundproofing of all types of pipes and ducts: PVC, metal.
- Airborne noise insulation in ceilings and vertical surfaces.

Composition

TECSOUND® FT is a soundproofing combination made from a porous felt bonded to a Tecsound membrane.

Features & Benefits

- Low thickness assists installation.
- Suitable for new and refurbishment projects
- Does not crack or break at low temperatures.
- Excellent aging resistance.
- Easy to handle, cut and apply.
- Easy installation directly on larger diameter pipes and ducting.
- High performance for reduction of airborne and impact noise.

Product Specifications:

Tecsound	FT 40	FT 55*	FT 75
Thickness	12	12.5	14
Weight (kg/m ²)	4.1	5.6	7.6
Roll dimensions	6.0 x 1.2m	55 x 1.2m	55 x 1.2m
m ² /roll	7.2	6.6	6.6
Roll/pallet	12	12	12
m ² /pallet	86.4	79.2	79.2

* FT 55 ex-stock. Others to indent only, lead times apply.

Acoustic Performance: FT55

Characteristics	Value		
Flow	0.5l/s	1.0l/s	2.0l/s
Acoustic insulation:	13	13	14
Insertion loss of airborne noise (IL _{A,A}):			
Frequency (Hz)		dB	
125	3.1	-1.1	4.2
250	-0.8	-0.9	0.0
500	-2.4	-2.6	-1.3
1000	11.9	11.0	11.5
2000	14.5	14.1	15.0
4000	17.8	17.4	18.9

ISO 9001:2015 Registered Firm No. NZ1014

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*All dimensions are nominal. We reserve the right to change specifications.
Ref. Tecsound FT-23.12

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Technical Specifications:

Limitations:

- For interior use only.
- Operating Service Temperature: -10 up to 60°C.

Maintenance:

- Tecsound is rot-proof
- The material doesn't require any maintenance once it's installed in its final location.

NZ Building Act

This product is not subject to a warning or ban under Section 26.

NZ Building Code Compliance:

- B2 Durability – Clause B2.3.1 (b) (i): Soprema Tecsound FT will have a minimum durability of at least 15 years when installed in accordance with; manufacturer's installation requirements.
- C3 Fire – Clause C/AS2 3.4(a): Soprema Tecsound FT is currently scheduled for testing. Due to its similarity to Tecsound SY, is likely to have a Fire Material Group Number 1-S (B-s1/s2), no greater than 2-S, by MBIE Building Performance Surface Finishes Standards Comparison 2938, 01 March 2015 in accordance with EN 13501-1:2007.

Storage & Handling:

TECSOUND FT should be stored horizontal on pallets, without stacking. Product supplied in rolls with carton core inside. Store it in the original packaging, in dry conditions, well ventilated and protected from hot temperatures, no higher than 35 °C, and UV radiation. The maximum period of storage is 1 year.

Warranty:

15 year limited warranty against manufacturing defects.

Accessory:

Tecsound® S50 Band 50

Tecsound S band is a synthetic tape made of Tecsound membrane, with a built-in adhesive layer enabling it to be applied over joints and overlaps. It is also used straight on to metal framing in plasterboard partitions subject to vibrations.



Installation:

Shall not commence until the building is water tight and dry. Application temperature shall be between 5—35°C. Prior to installation, contact adhesive must be applied to both the substrate and the Tecsound FT.

Leave to dry per adhesive manufactures instructions before bonding the two surfaces.

Pressure must be applied on all areas to ensure correct adherence.

Where large areas are covered, overlap 5cm both lengthwise and crosswise.

If the membrane cannot be overlapped, use the self adhesive S50 Band 50 to seal butt joints.

Specification:

Acoustic attenuation shall be Tecsound FT sound attenuation membrane as supplied by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Membrane shall be FT (), ()mm thick, () kg/m².

Tecsound®	S50 Band 50
Thickness (mm)	2.5
Roll dimensions	6.0m x 50mm
Surface density	5.0 kg/m ²

