



TECSOUND FT

TNVED 6806900000

DESCRIPTION

Tecsound FT is a combination of heavy viscoelastic mineral membrane Tecsound and porous felt. The material has a high sound absorption coefficient. Tecsound membrane layer ensures good airborne sound insulation within audible frequency range. The product is recommended for use in places where it is required to achieve maximum noise reduction values. Suitable for use in ceiling, wall, and floor frame structures.

COMPOSITION

- natural calcium carbonate polymorph (natural aragonite);
- highly filled polymers;
- organic oils;
- porous felt.

MODIFICATIONS

| Modifications | Length, m | Width, m | Thickness, mm | Roll Area, m ² | Surface Density, kg/m ² |
|----------------|-----------|----------|---------------|---------------------------|------------------------------------|
| Tecsound FT 55 | 5,5 | 1,2 | 13 | 6,6 | 5,6 |
| Tecsound FT 75 | 5,5 | 1,2 | 14 | 6,6 | 7,6 |

SPECIFICATIONS

| Parameter | Test Method | Tecsound | Felt |
|--|--------------------------|---|-------|
| Density, kg/m ³ | - | 2 010 | 60 |
| Low-Temperature Flexibility, °C | EN 1109 | -20 | |
| Longitudinal Strength, H/50mm ² | NT-67 | >30 | |
| Compressive Strength, KPa | ISO 3386-1:1986 Adm 2010 | 0.06 (10% deformation) 6 (25% deformation) | |
| Thermal Conductivity Coefficient, W/(m °C) | UNE-EN 12667 | - | 0,037 |
| Tensile Strength (nail), H/50mm | EN 12310-1 | - | - |
| Fire Hazard Class | | KM1 | KM4 |



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APPLICATION

- mountable sheathed frame and frameless structures of walls (trunking walls);
- suspended and stretch ceilings;
- floor soundproofing under screed;
- metal structures (profile flooring, roofing systems);
- vehicle cabs, bodies;
- production and industrial rooms (workshops, hangars);
- industrial equipment;
- metal doors;
- soundproofing of drain pipes, stacks, ventilation ducts and other pipes;
- niches and boxes for professional acoustic equipment.

FEATURES

- versatile material combining the following properties: soundproofing, noise abatement, vibration cushioning;
- high efficiency (owing to its properties: density, viscoelasticity, and high mass)
- economy of usable floor space;
- life and health friendly (contains no bituminous and EPDM components);
- elasticity retention at -20°C (Tecsound membrane);
- high thermal insulation values.

CERTIFICATES

1. Fire Safety Certificate. Fire Hazard Class: KM4.
2. Expert Opinion of Hygiene and Epidemiology Centre.
3. Acoustic Test Certificate.

PACKAGING AND TRANSPORTATION

| Modifications | No. of Rolls per Pallet, pcs | Pallet Area, m ² | Pallet Weight, kg | No. of Pallets per Euro Trailer, pcs | Area in Trailer, m ² |
|----------------|------------------------------|-----------------------------|-------------------|--------------------------------------|---------------------------------|
| Tecsound FT 55 | 12 | 79,2 | 455,6 | 40 | 3168 |
| Tecsound FT 75 | 12 | 79,2 | 614 | 37 | 2930,4 |

The products shall be stored horizontally on pallets. Placement of pallets on one another is not allowed.
The products are delivered in rolls with cardboard tubes inside.
The products shall be stored in original packages away from sources of heat and UV radiation in a dry place at max. 35°C.