

IMPACTODAN BT.

Cross-linked polyethylene foam membrane for acoustic insulation of laminated or timber floors.



Flexible cross-linked polyethylene membrane. It is used as an acoustic insulation and protection against humidity under laminated floors.

Presentation

- Length (cm): 2500
- Width (cm): 106
- Colour: Yellow
- Thickness (mm): 3
- Thickness (mm) ~ Standard: EN 1923
- Surface (m²): 26.5
- Product code: 620051

Technical Data

| Concept | Value | Standard |
|---|-------|-------------------|
| Impact noise enhancement ΔL_n (dB) | 20 | EN 140-8 EN 717-2 |
| Water absorption under hydrostatic pressure (%) | 1.66 | EN-12087 |
| Thermal conductivity declared (W/mK) | 0.050 | EN 12667 |
| Compression strength (kPa) | 40 | UNE EN ISO 3386-1 |
| Remainder deformation (24h compressed at 50%, 23°C) (%) | < 10 | EN 1856 |
| Insulation thickness to be fixed (mm) | 3 | - |
| Reaction to fire | F | EN 13501-1 |

| Concept | Value | Standard |
|--|-------|-----------------|
| Traction resistance (kPa) | > 200 | UNE-EN ISO 1798 |
| Dynamic stiffness (MN/m ³) | < 60 | EN 29052-1 |
| Thickness tolerance (%) | < 10 | EN 823 |
| Tolerance Length and Width (%) | < 10 | EN 822 |
| Hysteresis work (Nm) | > 2.1 | EN 3386-1 |

Additional Technical Data

| Concept | Value | Standard |
|------------------------------|--------|----------|
| Density (kg/m ³) | 40 ± 2 | EN 845 |

Environmental Information

| Concept | Value | Standard |
|---|-------------------------------|------------------|
| Volatile organic compounds (COV's) (µg/m ³) | 30 | ISO 16000-6:2006 |
| Content of recycled raw material (%) | 5 | - |
| Pre-Consumer recycled content (%) | 100 | - |
| Manufactured in | Fontanar (Guadalajara) España | - |

Standards and Certification

- The certification is the result of tests carried out in official laboratories, giving the result as an improvement of the system to the impact noise of a standardised slab.

Scope

- Damp-proof and separation barrier for floating floor finishes.
- Complements the IMPACTODAN® system.
- Acoustic renovation of slabs.
- High acoustic performance sprung floor systems, such as hotels, residences, etc. and wherever less interior noise is required.

Advantages & Benefits

- Vapour and dampness barrier.
- Good resistance to compression.
- Compatible with underfloor heating.
- High-impact sound insulation.

- Long life expectancy.
- Inexpensive, easy and efficient installation.
- The aluminium sealing tape reduces the static charge.
- Impact noise improvement $\Delta L_n = 20$ dB.
- Optimum chemical and thermal resistance.
- Feeling of comfort in the tread.

Instruction for Use

Preliminary operations

- Before starting the works, the materials necessary for the execution of the work must be gathered, which are:

Stakeout equipment

The installations must be finished before laying the IMPACTODAN BT sheet.

Ground unevenness of more than 3 mm in 1 m must be levelled beforehand with levelling paste. Fixing equipment

Aluminium ADHESIVE TAPE should be used to fasten the sheet to each other and to any point on site such as slabs, pillars, walls or any other structural element that acts as an electrical earthing system. Laying of IMPACTODAN BT

- Unroll the IMPACTODAN BT in the longitudinal direction of the boards, cutting the necessary size with a cutter.
- It is advisable to overlap and seal with aluminium adhesive tape to give continuity to the insulation and prevent damp from penetrating.
- Install the floating floor according to the manufacturer's instructions.

Indications and Important Recommendations

- The floating mortar must be strong enough to prevent cracking. (See SPD No. 1.3).
- The skirting boards should be at least 15 mm thick to cover the expansion gap and to avoid creating an acoustic bridge, they should be left with a small gap that can be created by means of a silicone bead.
- The planks must remain for at least 48 hours acclimatising to the room in which they are to be installed at an ambient temperature of at least 17°C, relative dampness not exceeding 70%.
- It will be taken into account that this product is part of a Sound Insulation system, so the Danosa Constructive Solutions Catalogue, Sound Insulation Commissioning must be taken into account. "Details of Singular Points" (SPD), as well as the rest of the Danosa documentation.

Handling, storage and preservation

- Store in covered and ventilated places that comply with current legislation regarding storage.
- Consult the product safety datasheet.
- According to the EEC directives on labelling hazardous substances (GefStoffV), special labelling is not required.
- The product is considered not hazardous for transport (ADR, RID, UN, IATA/ICAO)
- For further information, please contact our Technical Department.
- Keep away from flames and sources of heat.
- No special handling measures are required.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **danosa.com/en-gb** E-mail: **info@danosa.com** Telephone: **+44 845 074 0553**