

IMPACTODAN BT.

Acoustic insulation for laminated 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
- Logistic class: (BP) Products available on request, see minimum order and delivery term
- Product code: 620051

Technical Data

Concept	Value	Standard
Water absorption under hydrostatic pressure (%)	1.66	EN-12087
Thermal conductivity declared (W/mK)	0.050	EN 12667
Remainder deformation (24h compressed at 50%, 23°C) (%)	< 10	EN 1856
Density (kg/m ³)	40 ± 2	EN 845
Acoustic test DLw (l)	20	DAN-1218-IFR01
Insulation thickness to be fixed (mm)	3	-
Total thickness (mm)	3	-

Concept	Value	Standard
Water diffusion factor, μ	> 4100	EN 12086
Impact noise enhancement ΔL_n (dB)	20	EN 140-8 EN 717-2
Reaction to fire	F	EN 13501-1
Compression strength (KN/m ²)	40	-
Compressive strength at 25% (kPa)	> 30	UNE EN ISO 3386-1
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

Environmental Information

Concept	Value	Standard
Volatile organic compounds (COV's) ($\mu\text{g}/\text{m}^3$)	30	ISO 16000-6:2006
Content of recycled raw material (%)	5	-
Recycled content before the consumer (%)	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.
- Great durability.
- Inexpensive, easy and efficient installation.
- The aluminium sealing tape reduces the static charge.
- Impact noise improvement $\Delta L_n = 22$ 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 data sheet.
- 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)
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.

- Keep away from flames and sources of heat.
- No special handling measures are required.
- For further information, please contact our Technical Department.

Notice

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