

ABSORDAN PREN 150

Flexible polyurethane foam agglomerate panel for thermal acoustic insulation



Flexible polyurethane conglomerate panel with high acoustic and thermal insulation properties. ABSORDAN PREN 150 functions acoustically in flooring as an elastic element in a mass-spring-mass system or as an absorber between lightweight elements. It is ideal for renovation and DIY due to its easy installation. In new construction it meets the highest acoustic requirements. Its large format allows for greater surface coverage. Made of 100% recycled materials.

Presentation

- Length (cm): 2000
- Width (cm): 1200
- Thickness (mm): 20
- Surface (m²): 2.4
- Product code: 730157

Technical Data

| Concept | Value | Standard |
|---------------------------------------|-------|------------|
| Density (kg/m ³) | 150 | EN ISO 845 |
| Thermal conductivity declared (W/mK) | 0,039 | EN 12667 |
| Density tolerance (%) | 10 | - |
| Modulus of elasticity (KPa) | 2.81 | EN-1798 |
| Water absorption (kg/m ²) | 12,5 | - |
| Compressive strength at 40% (kPa) | 70 | EN 3386-1 |
| Compression resistance tolerance (%) | ±10 | - |

| Concept | Value | Standard |
|----------------------|-------|-----------|
| Break Elongation (%) | 65 | ISO 1798 |
| Hysteresis work (Nm) | 43.56 | EN 3386-1 |

Additional Technical Data

| Concept | Value | Standard |
|----------------------------|-------|----------------|
| Product reaction to fire | NDP | UNE EN 13501-1 |
| Reaction to fire in system | Bs1d0 | UNE EN 13501-1 |
| Burning speed (mm/min) | 13 | FMVSS No.302 |

Standards and Certification

- Improvement to impact noise in solution: Normalized slab + ABSORDAN PREN 150 + Compression layer 6cm = 32-34 dB.

Scope

- Solution that requires acoustic and thermal contribution under compression layer (SUF4).
- Solutions in dry screed that require a high level of impact noise insulation, airborne noise reinforcement and high compression resistance.
- Solutions for machine rooms, premises with overloads of use and high acoustic insulation requirements due to its high value of resistance to compression.
- Solutions in light wooden or CLT slabs.

Advantages & Benefits

- Being highly permeable, it is neither hydrophilic nor hygroscopic.
- Chemically unactive, meaning it cannot cause or encourage microbial growth or the appearance of metal corrosion.
- Its lightness and format facilitates its speed of installation, which improves labour efficiency.
- The thermal resistance offered by the product makes it ideal as thermal insulation with the consequent energy savings.
- Indicated for fast and clean execution works.
- Product made with 100% recycled materials.
- Great resistance to compression for solutions under thick floors or rooms with heavy machinery.
- Product easy to cut and handle for the installer or private client.

Indications and Important Recommendations

- The products must always be installed dry and free of dust.
- The use of other adhesives other than ABSORDAN GLUE will be specified directly by the manufacturer.
- In the case of solving curved solutions, such as rounded pillars or embracing other systems, it is

always recommended to reinforce their fixation with mechanical elements or taping.

Warning

- Store in a dry place, protected from rain, sun, high and low temperatures.

Handling, storage and preservation

- No personal protection is required during transportation and handling.
- Store the product in a dry place away from inclement weather.
- When handling with sharp elements, take the necessary precautions in handling.
- Stable product at room temperature, degradable with direct exposure to high temperatures.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.
- For further information, please contact our Technical Department.

Notice

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