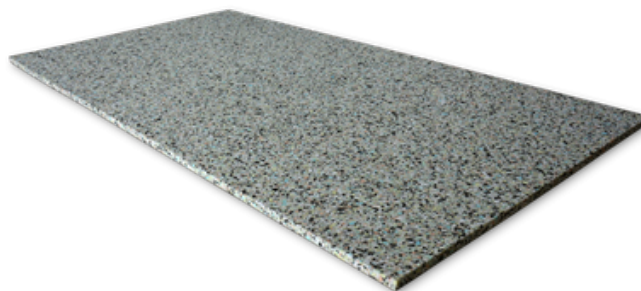


### ABSORDAN PREN 110

Flexible polyurethane foam agglomerate panel for thermal acoustic insulation



Flexible polyurethane conglomerate panel with high acoustic and thermal insulation properties. ABSORDAN PREN 110 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): 200
- Width (cm): 120
- Thickness (mm): 20
- Product code: 730153

#### Technical Data

Concept	Value	Standard
Density (kg/m <sup>3</sup> )	110	EN ISO 845
Thermal conductivity declared (W/mK)	0,039	EN 12667
Density tolerance (%)	±20	-
Modulus of elasticity (KPa)	7,13	EN-1798
Water absorption (kg/m <sup>2</sup> )	10,65	-
Compressive strength at 25% (kPa)	27,33	ISO 3386-1
Resistencia a la compresión al 50% (kPa)	102	ISO 3386-1

Concept	Value	Standard
Resistencia a la compresión al 70% (kPa)	304,63	ISO 3386-1
Compression resistance tolerance (%)	±20	-
Traction resistance (kPa)	913	ISO 1798
Break Elongation (%)	59,20	ISO 1798
Hysteresis work (Nm)	84,46	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)	20	FMVSS No.302

## Standards and Certification

- Improvement to impact noise in solution: Normalized slab + ABSORDAN PREN 110 + Compression layer 6cm = 28-30 dB.
- Improvement to impact noise in solution: Normalized slab + ABSORDAN PREN 110 + IMPACTODAN 10 + Compression layer 6cm = 36dB.

## Scope

- Solution that requires acoustic and thermal contribution under compression layer (SUF4).
- Solutions in dry screed that require a high level of insulation against impact noise and reinforcement in airborne noise.
- Solutions for machine rooms 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.

## Instruction for Use

Apply to horizontal elements:

- Clean the surface of the substrate by sweeping or brushing.
- If there are holes in the substrate, fill or cover them.
- Apply ABSORDAN PREN 110 covering the entire surface, placing the products end-to-end without leaving gaps between panels.
- At the perimeters, before laying the edge boards, lay the perimeter decoupling agent higher than the final level of the finished flooring, the rest should be cut with a cutter when the complete solution has been laid out.
- If mortar solutions are used, cover with polyethylene film. If IMPACTODAN 10 is used instead of film, an improvement in impact noise of approx. 6 dB can be achieved.
- In the longitudinal joints of film/IMPACTODAN, use 70 overlapping TAPE to prevent the mortar from running into ABSORDAN PREN 110.
- Pour the cement.

For dry screed solutions it is not necessary to cover the product with film or IMPACTODAN. The use of MAD acoustic membranes is recommended in this case to improve airborne sound insulation. Especially in lightweight solutions.

## 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

- 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

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