



Areas of Use

Used for external thermal insulation of building walls, thermal insulation applications on terraces and pitched roofs, and thermal insulation applications in cold storage facilities, particularly in Passive House applications.

Properties

- Provides better thermal insulation performance compared to white thermal insulation boards.
- No gases harmful to human health or the environment are used during production.
- Due to its high flexibility, it does not break or crumble during cutting and can be easily applied to the wall.
- It does not undergo dimensional changes over time on the applied surface.

Application

Surface Preparation

The surface to be applied must be thoroughly cleaned of formwork oil, dust, paint, and any substances that may reduce adhesion. Before application, cracks and holes must be repaired using the same material or suitable Entegre Repair Mortars.

Application

- The thermal insulation boards are placed into the starter profile to ensure a straight line.
- Adhesive mortar is applied in strips to the surface of the board that will face the wall, and the board is pressed against the wall and fixed in place, ensuring proper alignment.
- The Turuncu Paket thermal insulation board bonded to the wall is mechanically fixed to the exterior façade with dowels at the joints between the boards.
- Corner profiles are installed before plastering.
- Two coats of thin plaster with reinforcement mesh are applied to provide a solid substrate for the exterior façade coating of the insulation system and to protect the Turuncu Paket Thermal Insulation Board against external effects.
- After application of the mesh-reinforced plaster, wait for 1 day. Once the surface has dried, exterior paint, ready-to-use coloured decorative plaster based on acrylic or silicone, or cement-based decorative plaster may be applied.

ENTEGRE

"Building Life"

TURUNCU PAKET® THERMAL INSULATION BOARD

EPS Thermal Insulation Board
(Grey)THERMAL
INSULATION SOLUTIONS

Technical Values

Type	EPS 40	EPS 50	EPS 60
Thermal Conductivity Coefficient	0,035 W/m.K	0,033 W/m.K	0,03 W/m.K
Length Tolerance	L2 ± 2 mm	L2 ± 2 mm	L2 ± 2 mm
Width Tolerance	W2 ± 2 mm	W2 ± 2 mm	W2 ± 2 mm
Thickness Tolerance	T1 ± 1 mm	T1 ± 1 mm	T1 ± 1 mm
Squareness Tolerance	S2 ± 2 mm/1000 mm	S2 ± 2 mm/1000 mm	S2 ± 2 mm/1000 mm
Surface Flatness Tolerance	P5 ± 5 mm	P5 ± 5 mm	P5 ± 5 mm
Dimensional Stability at 23°C and 50% Relative Humidity	DS(N)2	DS(N)2	DS(N)2
Dimensional Stability Under Specified Temperature and Relative Humidity Conditions	-	-	(DS70,-)1
Compressive Stress at 10% Deformation CS(10)	40 kPa	50 kPa	60 kPa
Bending Strength m	BS 60	BS 75	BS 100
Tensile Strength (TR)	100 kPa	100 kPa	100 kPa
Long-Term Water Absorption by Total Immersion	WL(T)5	WL(T)5	WL(T)5
Long-Term Water Absorption by Partial Immersion	WL(P)0,5	WL(P)0,5	WL(P)0,5
Reaction to Fire Class	E	E	E

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THERMAL
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Packaging and Storage

- Store in a cool, well-ventilated and dry environment.
- Avoid exposure to direct sunlight and storage near heat sources.

Certificate of Conformity



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