GREENBOARD
CONSTRUCTION

TECHNICAL SPECIFICATIONS

Description

The insulating plate **FANOSA Greenboard** is a high quality construction product from the thermal insulation industry. Due to its high density and excellent thermal properties, it is ideal for use in walls, ceilings, cold storage floors and others

Product Presentation

Dimensiones	Espesor Estándar
1.22 x 1.22 m	1" y 2"
1.00 x 1.00 m	1" y 2"
1.22 x 2.44 m	1" y 2"
0.61 x 1.22 m	1" y 2"

*Other sizes are manufactured under special request.

Advantages

- The surface markings promote better coating anchorage and function as a guide to facilitate on-site cutting of the board.
- Stable, long-term heat resistance.
- High compressive strength, Type I compliant physical characteristics.
- Fire retardant additive ensures safety.
- Economical. Increased thermal resistance at a low cost.

Fixing and Coating

There are two recommended installation methods for the Greenboard product: For the installation of the Greenboard 2 methods are recommended: one option is through mechanical fixing, where nails or mounting screws are used while method two involves using powder adhesives such as cement or acrylic polymers (basecoat).

In order to ensure good anchoring of the adhesives, surface markings on one side are applied during the manufacturing process.

Once installed, the next step is to coat the plate. To achieve greater resistance of the substrate, it is recommended to initially apply a layer of mortar after which a final finish is applied. In most cases, the adhesive used for bonding can also be used as a coating, the difference being that when the coating is applied, it must be reinforced with fiberglass mesh.

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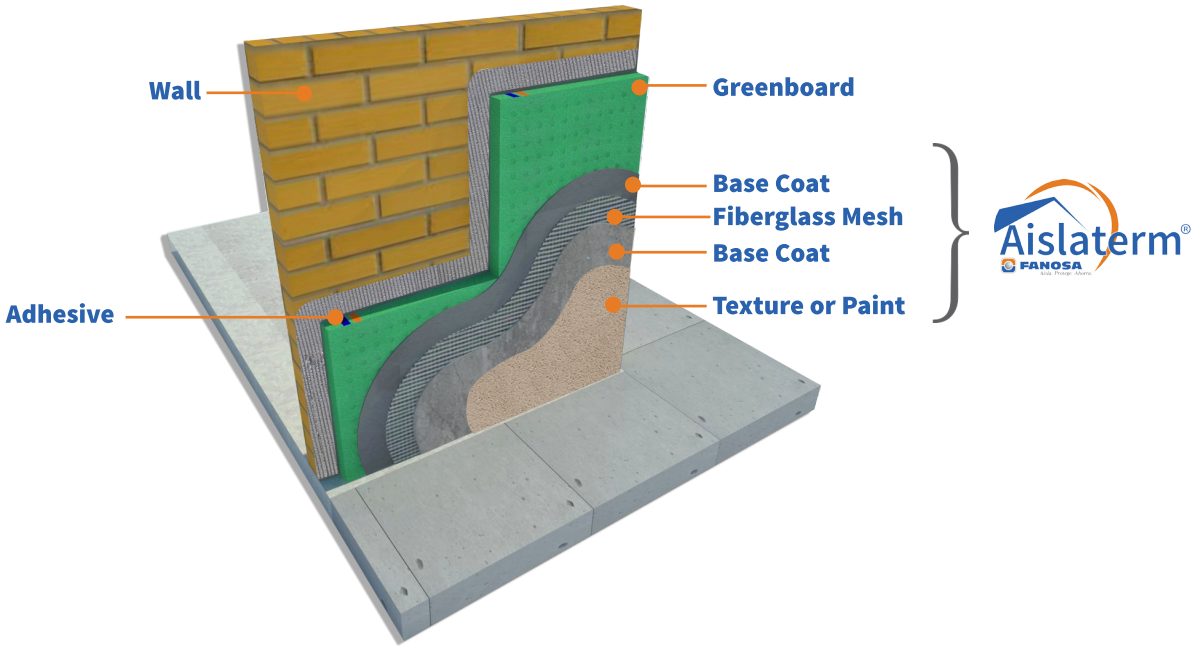
Recommended installation Process



Technical Specifications (Physical properties)

Property	Units	Greenboard
Density	kg/m^3 (lb/ft^3)	15 (0.94)
Heat conductivity	W/m•K (Btu•in/h•ft^2•°F)	0.03639 (0.2523)[1]
Heat resistance 1” plate	m^2•K/W (h•ft^2•°F/Btu)	0.6979 (3.96)
Minimum bending resistance	kg/cm^2 **(psi)**	1.76 (25)
Compressive strength: To 10 % , min. deformation	kg/cm^2 **(psi)**	0.72 (10.2)
Maximum water absorption by total immersion	% Volumen	<4%
Water vapor permeability	ng/Pa•s•m	0.0020
Maximum working temperature	°C (°F)	76 (170)
Self-extinguishing	YES	
Dimensional properties	YES	
Thermal properties	YES	
Moisture resistance	YES	
Fungus attack	NULL	

NOTA: [1] **ASHRAE** Fundamentals Handbook (SI), Ch. 25, Thermal and Water Vapor Transmission Data, p. 25.6

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