

## Greater Resistance for Lower Price.

**FANOSA® Blueboard** insulation board is a high quality product from the thermal insulation segment of the construction industry. Due to its high density and excellent thermal properties, it is ideal for walls, roofs, cold storage floors and more.

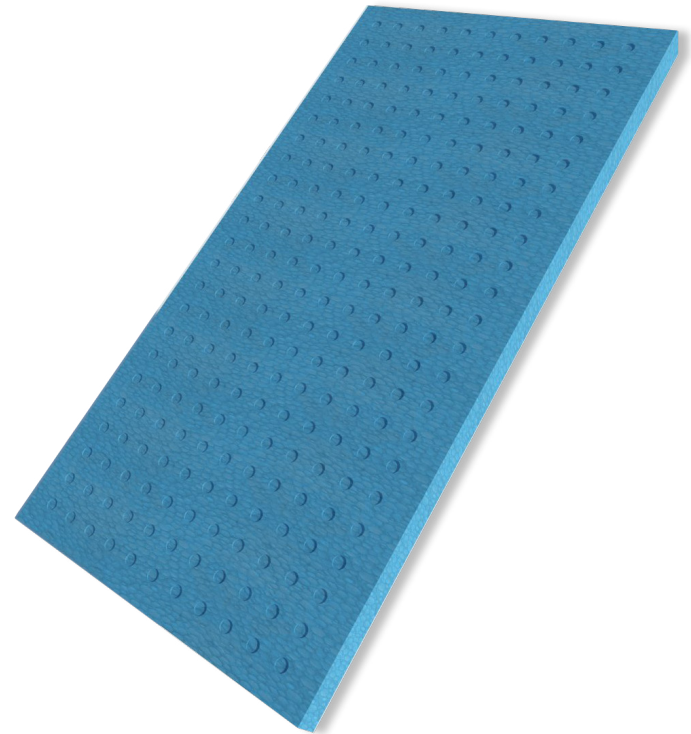
## Product Presentation

Dimensions	Standard Thickness
2' x 8' ( 0.61 x 2.44 m)	1-1/4"
4' x 8' ( 1.22 x 2.44 m)	1-1/4"

\*Other sizes can be manufactured under special request.

## Advantages

- **Surface markings promote better coating anchorage;** additionally, these markings function as a guide to facilitate on-site cutting of the plate.
- **Long-term, stable thermal resistance;** greater resistance at 5 h•ft<sup>2</sup>•°F/Btu with a standard thickness of 1-1/4".
- **High compressive strength;** 28 kg/m<sup>3</sup> density.
- **Safe;** due to its fire retardant additive.
- **Economical;** higher thermal resistance at low cost.



## Fixing and Coating

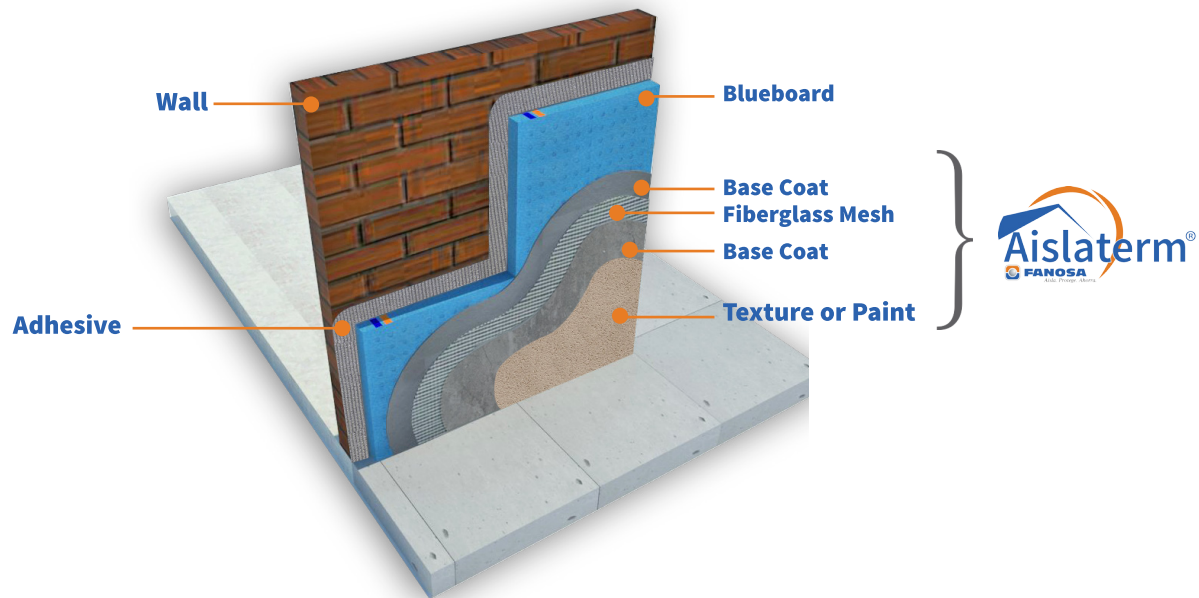
There are two recommended methods for installing Blueboard: one option is mechanical fixing, using nails or mounting screws; another option is to use powder adhesives, cement and acrylic polymers (base coat).

In order to ensure good anchoring of the adhesives, the surface of the board is marked on one side during the manufacturing process.

Once installed, the next step is to coat the Blueboard to achieve greater resistance of the substrate, it is recommended to initially apply a layer of base coat, then place the fiberglass mesh. Wait a few minutes and before the previous layer dries completely, apply a second layer of base coat. Wait for the coating to dry completely and ends the process with the finish coat of you preference.

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### Recommended installation Process



### Technical Specifications (Physical properties)

Property	Units	Blueboard
Density	kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	28 (1.81)
Thermal conductivity	W/m·K (Btu·in/h·ft <sup>2</sup> ·°F)	0.03273 (0.2269) <sup>[1]</sup>
Thermal resistance 1-1/4" plate	m <sup>2</sup> ·K/W (h·ft <sup>2</sup> ·°F/Btu)	0.97 (5.51)
Flexural Strength, min.	kg/cm <sup>2</sup> (psi)	3.52 (50)
<b>Compressive strength:</b> To 10% min. deformation	kg/cm <sup>2</sup> (psi)	1.76 (25)
Maximum water absorption by total immersion	% Volumen	<2%
Water vapor permeability	ng/Pa·s·m	0.0012
Maximum working temperature	°C(°F)	76(170)
Self-extinguishing	YES	
Dimensional properties	YES	
Thermal properties	YES	
Moisture resistance	YES	
Fungus attack	NONE	

**NOTE:** <sup>[1]</sup>ASHRAE Fundamentals Handbook (SI), Ch. 25, Thermal and Water Vapor Transmission Data, p. 25.6

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