

Description

FANOSA® Insulation Board is a product widely accepted in the construction industry for insulation purposes. It is used for walls, roofs, and flooring of cold storage units as well as industrial, commercial and residential buildings due to its high thermal resistance, superior structural strength combined with its lightweight and low cost of acquisition and installation.

Installation and use

How the insulating board is installed?

The board is adhered on any type of conventional substrates with base coat **Aislaterm®**, which is prepared with water and spread on the surface of the board with a notched trowel.

Materials to cover the board

The insulating board is top off with **Aislaterm®**, which initially apply a layer of base coat, a fiberglass mesh, and a second layer of base coat, and complete the process with the finish coat of paint or texture.

Can it be used inside and outside?

It can be used for either side, taking into consideration that the thickness of the board will reduce space if its install indoors. It is recommended to install insulating board on the outside of the building.



Presentations

The Insulation Board is supplied in a wide range of dimensions and densities, which lends to its various structural, thermal, floating, damping and low water absorption properties.

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Technical Specifications (Physical Properties)

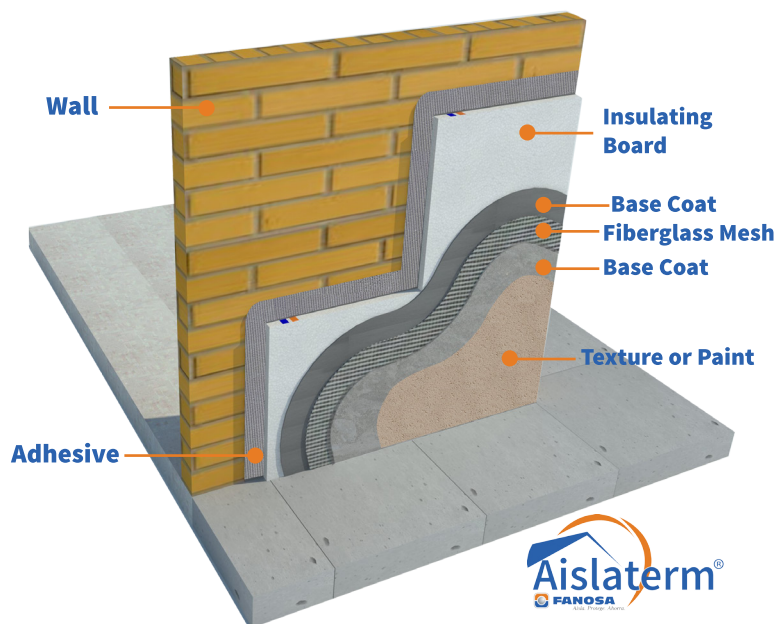
Thermal Resistance "R"

THICKNESS	m ² •K/W	h•ft ² •°F/Btu
per for each inch	0.677	3.85

The most common dimensions that are sold are:

4' x 4'
4' x 8'

Recommended Installation Process



*For more information about Coatings, see Technical Data Sheet of Aislaterm® / Coatings.

Property	Units	Insulating Board
Density	kg/m ³ (lb/ft ³)	16 (1)
Thermal conductivity	W/m•K (Btu•in/h•ft ² •°F)	0.037 (0.26) ^[1]
Thermal resistance of a 1" board	m ² •K/W (h•ft ² •°F/Btu)	0.677 (3.85)
Flexural Strenght, min.	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	4.00
Water vapor permeability	ng/Pa•s•m	0.0020
Maximum working temperature	°C (°F)	76 (170)
Self-extinguishing		
Dimensional properties	YES	
Thermal properties	YES	
Moisture resistance	YES	
Fungus attack	NULL	

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

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