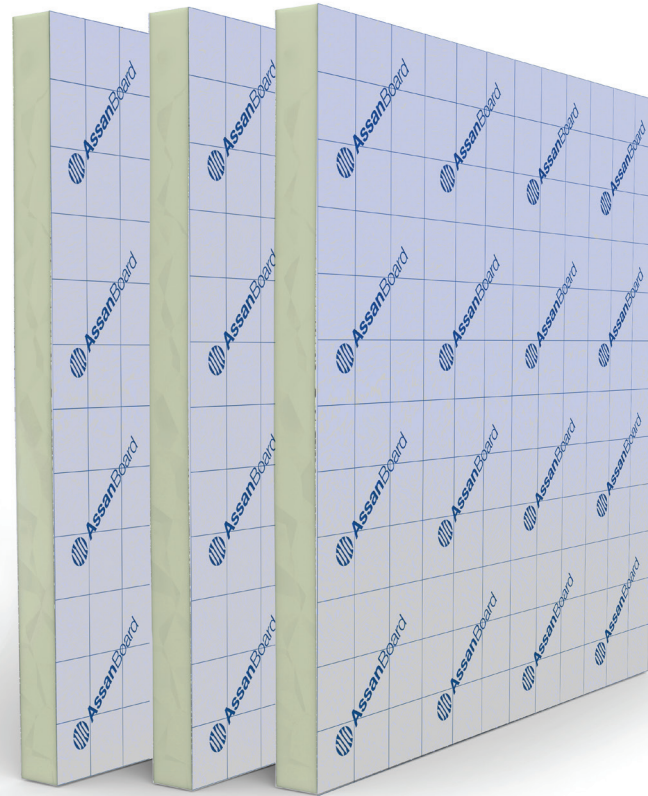


ASSANBOARD THERMAL INSULATION BOARD



AssanBoard: A High Performance Insulation Board

AssanBoard offers high insulation and fire performance thanks to its specially formulated polyurethane/polyisocyanurate based core together with its gas-tight aluminum composite facer system. Insulation boards are suitable to be used for wall, roof and floor insulation applications of both residential and commercial buildings. The insulation core can be selected among PUR (polyurethane), PIR (polyisocyanurate) and SmartCore core filling systems. With its gas-tight behavior, the insulation performance is preserved during the service life of the product.

Product Application

AssanBoard is a high-performance thermal insulation board suitable for roof, wall, cavity wall and floor insulation; It is used in residential, industrial, commercial projects.

Advantages

- High energy saving
- High fire resistance
- High compressive strength
- Low cost with ease of assembly
- Sustainable buildings with their environmental friendliness

Assan Panel reserves the right to change the features of its products. The property rights of third parties must be respected. Acceptance of all orders is based on our current terms of sale and shipping. Users should always consider the latest edition of the Local Product Information Sheet for the relevant product, which can be obtained by contacting Assan Panel.

Technical Specifications

Product	AssanBoard
Production Location	UK
Core Material	PIR
Thickness	100-150 mm
Density (EN 1602)	36 (± 2) kg/m ³
Fire Class (EN 13501)	Class E
Standard Dimension	1200x2400 mm*
Thermal Conduction Coefficient (EN 13165)	PIR: 0.022-0.024 W/mK & SmartCore: 0.018-0.019 W/mK

*If requested, production can be made in different lengths.

Thermal Insulation Performance

Core Material	Thickness (mm)	R Value R (m ² K/W)	U Value (W/m ² K)
PIR	100	4,55	0,22
	150	6,82	0,15

The relevant values were calculated based on a value of 0.022 W/m²K

Core Material	Thickness (mm)	R Value R (m ² K/W)	U Value (W/m ² K)
SmartCore	100	5,55	0,18
	150	8,33	0,12

The relevant values were calculated based on a value of 0.018 W/m²K.

Mechanical Properties

Core Material Shear Strength	Min. 0,11 MPa
Core Material Shear Modulus	Min. 2,00 MPa
Core Material Compressive Strength	Min. 0,15 MPa

Standard Package Quantities

Thickness	100 mm	150 mm
Quantity	10	6