



LOGICPIR thermal insulation board

Product description

LOGICPIR is an innovative thermal insulation board made of PIR (Polyisocyanurate). Being very rigid and perfectly flat, LOGICPIR is an ideal substrate for roofing materials. It has high compressive strength and a record low thermal conductivity value.

Throughout its 50-year service life, LOGICPIR retains its qualities. It functions effectively within a temperature range from -65°C to +110°C, so it is suitable for use in any climate. PIR board does not absorb water and does not burn. A low density of the material reduces the overall weight of the construction, which is especially important for renovations.



LOGICPIR is available with 2 types of surface: aluminium foil or fiberglass mat. Can be supplied with flat or L-shaped edges. A variation with the slope shape is available for the creation of the slope of 1.7 or 3.4% in order to drain water on the roof to funnels.

Area of application

LOGICPIR thermal insulation boards are widely used in civil and industrial construction while arranging the thermal insulation of flat and pitched roofs, floors, walls and facades.

Storage and transportation

LOGICPIR boards are packed in UV-stabilized film and delivered in pallets. The boards shall be transported in covered vehicles and stored in dry sheltered warehouses or under shelter protecting them from UV radiation and precipitations. Keep the minimum distance of 1 m from any heat source. Shelf life if all storage requirements are met: 24 months from the date of production.

Main characteristics

Properties	Test method	Value
Thermal conductivity λ_D , W/m*K	EN 13165	0.022 (aluminium foil covering) 0.026 (fiberglass covering)
Compressive stress at 10% deformation, kPa	EN 826	≥ 150
Long term water absorption by immersion, %	EN 12087	≤ 1
Reaction to fire - ignitability, Euroclass	EN 13501-1	E
Board sizes, mm	EN 822	1200×600, 2400×1200
Thickness (increments 10 mm), mm	EN 823	30-150
Surface type	-	aluminium foil or fiberglass mat

Thermal resistance R_D , m²*K/W (EN 12667)

Thickness, mm	30	40	50	60	70	80	90	100	110	120	130	140	150
Aluminium foil covering	1.35	1.80	2.25	2.70	3.15	3.60	4.05	4.50	5.00	5.45	5.90	6.35	6.81
Fiberglass covering	1.15	1.54	1.92	2.31	2.69	3.08	3.46	3.85	4.23	4.61	5.00	5.38	5.77