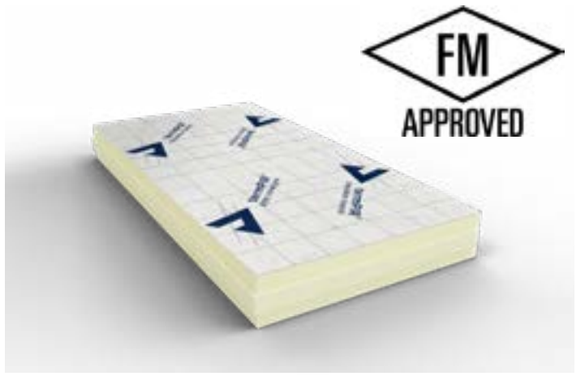
TECHNICAL CARD
termPIR® Pro-F INSULATION BOARDS

termPIR® Pro-F	Product details:
Description of board:	The termPIR® Pro-F insulation boards comprise of a PIR rigid foam thermal insulation core. The boards are protected on both sides with a gas tight lining layer composed of aluminium, paper and polyethylene.

Certificates / Approvals:	
CE mark	■
ISO 9001, ISO 14001 System certificates	■
Compatibility with EN 13165+A2 and EN 13172	■
(DGNB) Green Card	■
Tests of thermal properties ITB	■
Fire classifications	■
FM - Approval	■
Admitted to trading in the EU	■



FIT (flat milling)

LAP (stepwise milling)*

TAG (tongue and groove)*

* dimensions of boards with joint types are 2 to 4 % smaller

Information about product safety:	Information about suabstances contained in the product referred to in Art. 31 and 33 of the Regulation (CE) No.1907/2006 (REACH): Not applicable.
Instruction:	

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termPIR® Pro-F	Product details:
Kind of core:	Rigid polyisocyanurate foam (PIR)
Apparent PIR core density:	ρ = 30 kg/m³
Declared heat transfer coefficient for lining:	for (50 ≤ d_N ≤ 250 mm): λ_D = 0,022 (W/m·K)
Standard board dimensions [mm]:	600 x 1200 / 1200 x 2400 (minus the depth of the joint)
Available boards dimensions [mm]:	1000 x1200 / 1200 x 1200 / 1200 x 1800 / 1200 x 3000 (minus the depth of the joint)

Coefficient: U [W/m²·K], wg
U = 1 / (Re + R_D + Ri)

For a given nominal thickness [mm]:	Thermal resistance: R_D [m²·K/W]							
		50	2,30	**60**	2,75	**70**	3,25	**80**	3,70
		90	4,15	**100**	4,65	**110**	5,10	**120**	5,55
		130	6,05	**140**	6,50	**150**	6,95	**160**	7,45
		170	7,90	**180**	8,35	**190**	8,85	**200**	9,30
		210	9,75	**220**	10,25				

Compressive strenght at 10% of deformation:	σ ≥150 kPa	50 ≤ d_N < 140 mm,
	σ ≥140 kPa	140 ≤ d_N ≤ 220 mm,
Tensile strength perpendicular to faces:	(50 ≤ d_N ≤ 130 mm): ≥ 80 kPa, TR80	
	(130 < d_N ≤ 220 mm): ≥ 40 kPa, TR40	
Flatness after one-sided moisting:	≤ 10 mm / FW2	
Long-term absorption upon complete immersion:	≤ 2 % [kg/kg] / WL(T)2	
Reaction to fire (of the product as placed on the market):	E class	
Fire resistance:	REI30 and Broof(t1	

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termPIR®
insulation boards

Buildings:	Intended use of the board:	
residential, high density housing	on rafter insulation system on pitched roofs	
residential	under rafter insulation system on pitched roof	
residential, retail and industrial	build Up Roofs [BUR] - Flat roofs, mechanically fastened	■
residential, retail and industrial	build Up Roofs [BUR] - Flat roofs,adhesive or glued systems	
residential, retail and industrial	triple layered external walls - cavity walls	
residential, retail and industrial	double layered external walls - ETICS system	
residential, retail and industrial	basement and foundation walls	
residential, retail and industrial	partition walls	
residential, retail and industrial	slabs between floors	
residential, retail and industrial	ground floor slabs	
livestock, industrial	suspended ceilings - high pressure washable	
existing, historic, stair-cores	internal wall insulation	
prefabricated concrete walls	highly resistant to corrossion caused by concrete	

■ the board recommended for use

DoP Nr termPIR / Pro-F / 1

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www.termpir.eu