TECHNICAL CARD
termPIR® AGRO P REV INSULATION BOARDS

termPIR® insulation boards

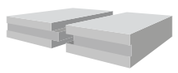
termPIR® AGRO P REV	Product details:
Description of board:	termPIR® AGRO P REV insulation boards comprise a rigid polyisocyanurate foam thermal insulation core. The core is protected on both sides by gas resistant multilayer aluminium and polyethylene laminate (Agro P), with the aluminium layer facing the PIR core. termPIR® Agro P REV insulation boards are intended for use with materials that would enter into a reaction with aluminium. Boards intended for materials that may react with aluminum.

Certificates / Approvals:	
CE mark	■
ISO 9001, ISO 14001 System certificates	■
Compatibility with EN 13165+A2 and EN 13172	■
Environmental Declaration EPD (type III)	■
Environmental Certificate (type III)	■
CO2 footprint	■
(Leed & Breeam) Green Card	■
Atest PZH	
VOC	
Keymark certificate and quality label	
Tests of thermal properties ITB	■
Fire classifications	■
Board in the product base SVT	
Board in the product base EPDM	
SundaHUS	
BVB	
Swan- The Nordic Ecolabel	
Certificate for the system ETICS	
Admitted to trading in the EU	■

Green architecture

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:	Boards can be installed in one or multiple layers in an interlocking manner. Boards should fit tightly to each other. The substructure needs to be stable. Install mechanically with fasteners, glue or suspend - depending on the kind of substructure and type of waterproofing. Prevent from pulling the fasteners through the board. Secure against the impact of weather conditions. The boards are not load-bearing elements Additional information is available in the Technical Catalogue at the website www.termpir.eu

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termPIR® AGRO P REV	Product details:
Kind of core:	Rigid polyisocyanurate foam (PIR)
Apparent PIR core density:	ρ = 30 kg/m³
Declared heat transfer coefficient for lining:	for (20 ≤ 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]	for wall	**20**	0,93	**30**	0,66	**40**	0,50	**50**	0,40
	or roof	0,90	0,96	1,35	0,67	1,85	0,50	2,30	0,41
	for floor		0,93		0,66		0,50		0,40
		60	0,34	**70**	0,29	**80**	0,26	**90**	0,23
		2,75	0,35	3,25	0,29	3,70	0,26	4,15	0,23
			0,34		0,29		0,26		0,23
		100	0,21	**110**	0,19	**120**	0,17	**130**	0,16
		4,65	0,21	5,10	0,19	5,55	0,18	6,05	0,16
			0,21		0,19		0,17		0,16
		140	0,15	**150**	0,14	**160**	0,13	**170**	0,12
		6,50	0,15	6,95	0,14	7,45	0,13	7,90	0,12
			0,15		0,14		0,13		0,12
		180	0,12	**190**	0,11	**200**	0,11	**210**	0,10
		8,35	0,12	8,85	0,11	9,30	0,11	9,75	0,10
			0,12		0,11		0,11		0,10
		220	0,10	**230**	0,09	**240**	0,09	**250**	0,08
		10,25	0,10	10,75	0,09	11,15	0,09	11,60	0,08
			0,10		0,09		0,09		0,08

Compressive strenght at 10% of deformation:	≥ 120 kPa, CS(10/Y)120
Dimensional stability:	DS(70,90)2
Reaction to fire (of the product as placed on the market):	F class

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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 ■ it is not recommended to use heat-sealable roofing felt

www.termpir.eu