TECHNICAL CARD
termPIR® AL OSB INSULATION BOARDS

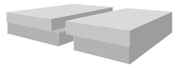
termPIR® insulation boards

termPIR® AL OSB	Product details:
Description of board:	termPIR® AL OSB insulation boards consist of a termPIR® board with a PIR foam core covered on both sides with a gas-tight sandwich cladding based on paper, aluminum and an OSB board with a thickness of 8 to 22 mm. There is an adhesive layer between the plate with aluminum cladding and the OSB board.

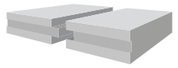
Certificates / Approvals:	
CE mark	
ISO 9001, ISO 14001 System certificates	
Compatibility with EN 13165+A2 and EN 13172	
Environmental Declaration EPD (type III)	
Environmental Certificate (type III)	
CO2 footprint	
(Leed & Breeam) Green Card	
Atest PZH	
VOC	
Keymark certificate and quality label	
Tests 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)*

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

termPIR® Insulation boards

TECHNICAL CARD
termPIR® AL OSB INSULATION BOARDS

termPIR® insulation boards

termPIR® AL OSB	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]:	1200 x 2500
Available boards dimensions [mm]:	-

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	-	-
		6,50	0,15	6,95	0,14	7,45	0,13	-	-
			0,15		0,14		0,13		-

Reaction to fire (of the product as placed on the market):	E class (from the OSB side) / F class (from the PIR side)

www.termpir.eu

TECHNICAL CARD
termPIR® AL OSB INSULATION BOARDS

termPIR® insulation boards

termPIR® AL OSB	Product details:	
Heat transfer coefficient:	$\lambda_{obl.}$(wg EN 10456) for OSB board = 0,13 ((W/m·K))	
Acoustic insulation:	termPIR® OSB / PIR AL 20	25(-1;-3)

For a given nominal thickness [mm]:	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**
Thermal resistance: R_D [m²·K/W]*	0,95	1,40	1,90	2,35	2,80	3,30	3,75	4,20
* for the termPIR® OSB/PIR AL [d_N] group	**100**	**110**	**120**	**130**	**140**	**150**	**160**	-
	4,70	5,15	5,60	6,10	6,55	7,00	7,50	-

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 / GP / 1 / OSB / 1

Update: 03.02.2025

www.termpir.eu