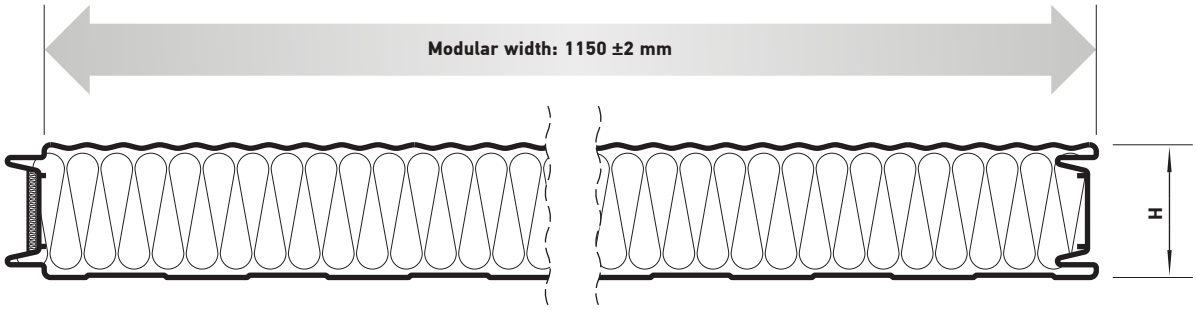
Wall sandwich panels EMW-PIR 1150



H = 40, 50, 60, 80, 100, 110, 120 mm

Wall sandwich panels EMW-PIR 1150 data sheet

Type of insulation (core)	Polyisocyanurate PIR foam						
Insulant density [kg/m³]	40 ±3						
Panel thickness H [mm]	40	50	60	80	100	110	120
Panel weight 1 m² (sheeting 0.5/0.5) [kg]	9.40	9.80	10.20	11.00	11.80	13.34	12.60
Panel length [mm]	2000 - 13500						
Modular width [mm]	1150 ±2						
External steel sheeting thickness [mm]	0.5						
Internal steel sheeting thickness [mm]	0.4 / 0.5						
Declared value of thermal conductivity coefficient λD [W/mK]	0.022						
Thermal transmittance (U-value) [W/m²K]	0.59	0.45	0.38	0.28	0.23	0.19	0.18
Reaction to fire	B-s2, d0	B-s2, d0	B-s2, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0
Fire resistance class	-	-	EI15	EI15	EI30	EI30	EI30
Sound reduction index Rw (C, Ctr) [dB]	27 (-2; -4)	25 (-3; -5)					
Coatings	- polyester, 25 µm (standard coating)						
	- *FoodSafe*, 55 / 120 / 150 µm						
	- PVDF, 35 µm						
	- PURLAK®, 50 µm						
	- PURMAT®, 50 µm						
	- INOX, 50 µm (corrosion resistance C5)						
Certificates	EN 14509						

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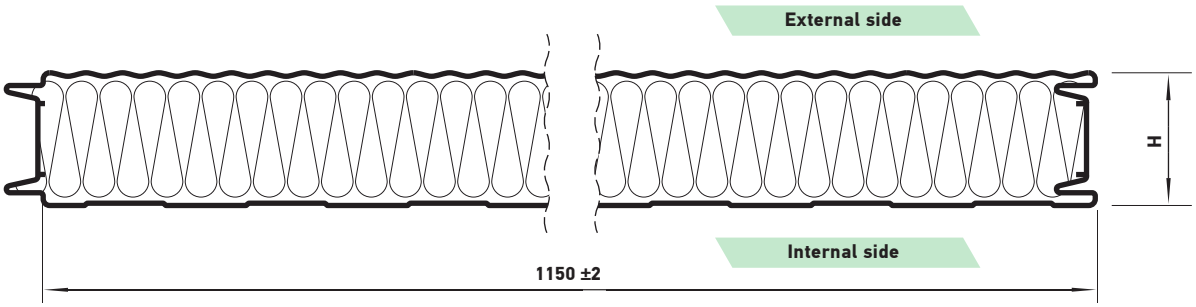
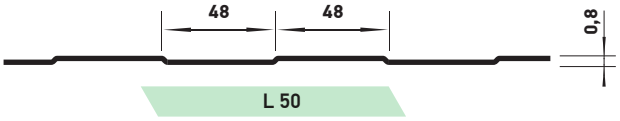
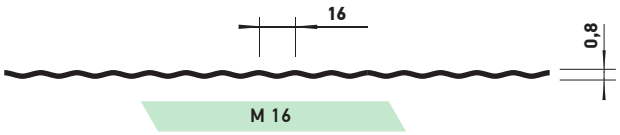
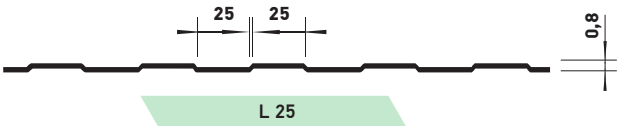
Wall sandwich panels EMW-PIR 1150



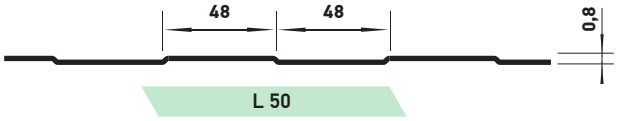
External side:







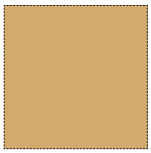
Internal side:



Wall sandwich panels EMW-PIR 1150

Colours

Standard RAL colours of the external sheeting PE 25 µm


RAL 1002

RAL 1015

RAL 1021

RAL 3005

RAL 3011

RAL 3016

RAL 5010

RR 28

RAL 6005

RAL 6029

RAL 7000

RAL 7016

RAL 7024

RAL 7035

RAL 8004

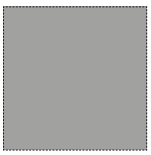
RR 32

RAL 8017

RAL 8023

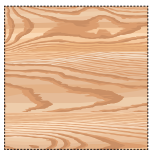
RAL 9002

RAL 9005


RAL 9006

RAL 9007

RAL 9010


Złoty dąb

Standard RAL & RR colours of the external sheeting PE 35 µm

RR 750

RR 11

RR 28

RAL 8017

RR 33

RAL 7016

Standard RAL & RR colours of the external sheeting PUR 50 µm

RR 750

RR 11

RR 28

RAL 8017

RR 33

RAL 7016

Standard RAL colours of the internal sheeting PE 25 µm

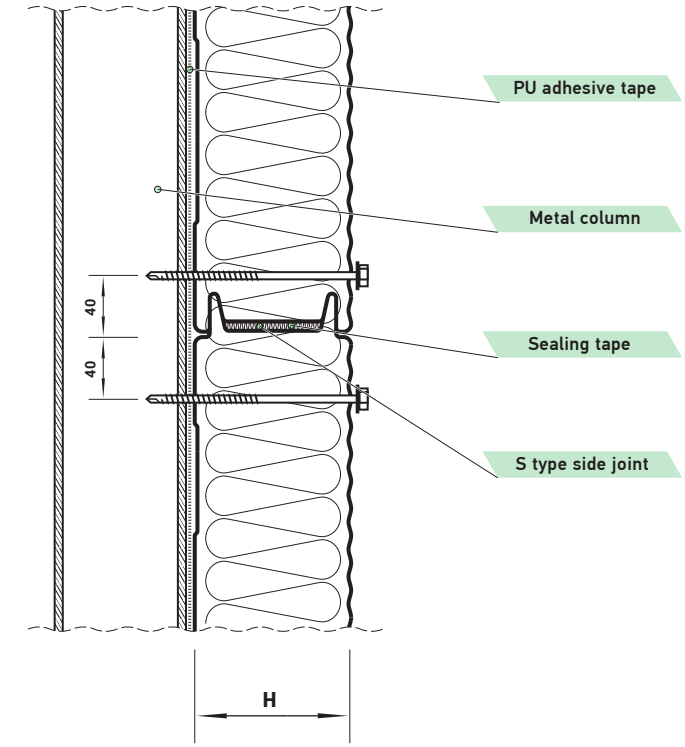
RAL 9002

RAL 9010

Wall sandwich panels EMW-PIR 1150

EMW-PIR 1150 side joint

S («Standard») type



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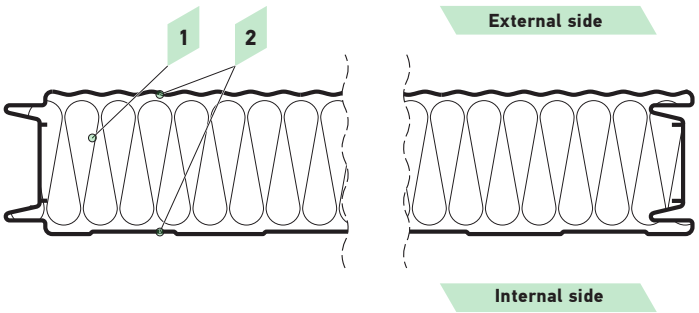
1. Thermal insulation core - polyisocyanurate (PIR) foam.
2. Steel facings 0.4 - 0.7 mm with polymeric top coat (polyester 25 µm or PVDF 35 µm or PVC 120 µm, etc).