
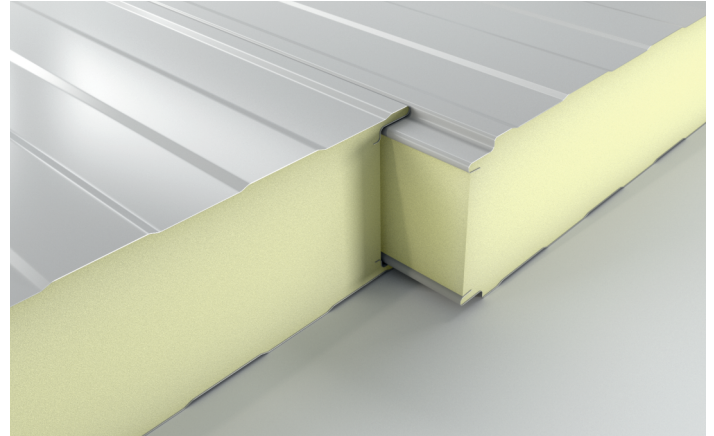
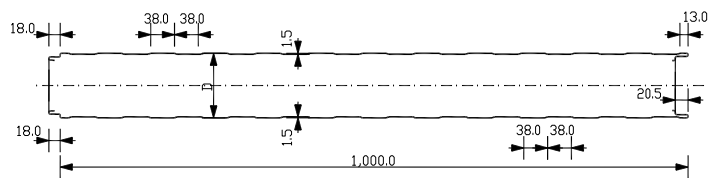
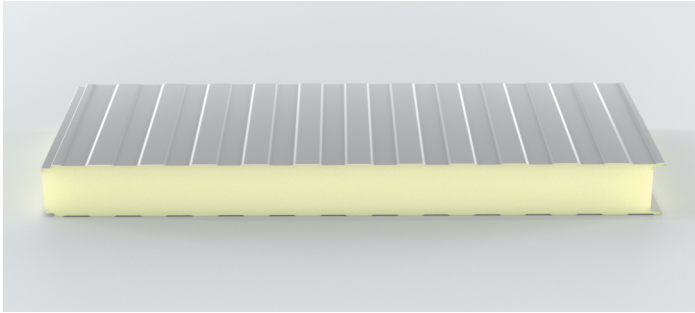


ISOPERn PUR/PIR (RF,XV)

 Made in Romania


PRODUCT:

Thermal insulating wall panel with visible joint.

INTENDED USE:

Exterior walls / wall cladding / separating walls / ceilings inside the building envelope. These types of panels can be mounted both horizontally and vertically.

MICROPROFILES:

- **Type I** - STANDARD-STANDARD
- **Type II** - STANDARD+PLISSE
- **Type III** - STANDARD+LIS / LIS+STANDARD
- **Type IV** - LIS+PLISSE
- **Type V** - LIS+LIS

CORE:

CORE TYPE	PRODUCT TYPE
PUR	ISOPERn
PIR (RF)	ISOPERnRF
PIR (XV)	ISOPERnXV

MAIN CHARACTERISTICS:

a) Metal faces with polyester coating (SP):

- Exterior face: steel 0,50 mm; S250GD (EN 10346); coating SP/25µm; normal tolerances
- Interior face: steel 0,40 mm; S250GD (EN 10346); coating SP/25µm; normal tolerances
- The thickness is referred to after galvanizing and painting procedures

c) Insulating layer:

- Average density: $35 \div 40$ [kg/m³]
- Thermal conductivity: $\lambda=0.0224$ [W/mK]

b) Metal faces with PVC coating :

- ISOSANO type wall panels - with one or both sides covered with PVC film
- Metal layer: steel, S250 GD, thickness 0.50mm
- PVC film coating, thickness 150 μ m

Use in the food industry and applications with strict hygiene (laboratories, pharmaceutical industry, etc.)

d) Reaction to fire:

- Classification: F for the PUR insulating core
- Classification: B-s2,d0 for the PIR (RF) insulating core
- Classification: B-s2,d0 for the PIR (XV) insulating core

e) Fire resistance:

Insulating core PIR (RF)

ISOPERn RF	Partition EI20 E30 Exterior wall EI15 E30 (0<->i)	Valid for D=50 and 60mm (visible joint)
ISOPERn RF	Partition EI30 E30 Exterior wall EI30 E30 (0<->i)	Valid for D=80; 100; 120mm (visible joint)

Insulating core PIR (XV)

ISOPERn XV	Partition EI15 E15 Exterior wall EI15 E15 (0<->i)	Valid for D=80; 100; 120mm (visible joint)
------------	--	---



We recommend the project details to be discussed with the technical department or sales manager.

AVAILABLE DIMENSIONS:

DIMENSIONS	PERMISSIBLE DEVIATIONS
Length: 2000-13500 [mm]	± 5 mm for $L \leq 3$ m ± 10 mm for $L > 3$ m
Width: 1000 [mm]	± 2 mm
Thickness: 30-120 [mm]	± 2 mm for $D \leq 100$ mm $\pm 2\%$ for $D > 100$ mm
Deviation from perpendicularity	6 mm

Note: For lengths less than 2.000 mm, consult the technical department.

PERMISSIBLE LOADS:

D [mm]	Weight [kg/m ²]	U* [w/m ² K]																	
				Calculation values, wind load at pressure [kN/m ²]															
		U1	U2	0,75	1,50	2,25	3,00	3,38	4,13	4,88	0,75	1,50	2,25	3,00	3,38	4,13	4,88		
30	7,97	0,77	0,65	2,94	2,30	1,77	1,33	1,18	0,97	0,82	3,60	2,54	1,77	1,33	1,18	0,97	0,82		
40	8,35	0,58	0,50	3,85	2,95	2,41	1,81	1,61	1,32	1,11	4,17	2,95	2,41	1,81	1,61	1,31	1,11		
50	8,74	0,46	0,41	4,62	3,29	2,69	2,29	2,04	1,67	1,41	4,65	3,29	2,69	2,29	2,04	1,67	1,41		
60	9,14	0,37	0,35	5,05	3,57	2,92	2,53	2,38	2,02	1,71	5,05	3,57	2,92	2,53	2,38	2,02	1,71		
80	9,85	0,28	0,26	5,38	3,81	3,11	2,69	2,54	2,30	2,11	5,38	3,81	3,11	2,69	2,54	2,30	2,11		
100	10,62	0,22	0,21	5,77	4,08	3,33	2,89	2,72	2,46	2,27	5,77	4,08	3,33	2,89	2,72	2,46	2,27		
120	11,48	0,19	0,18	6,26	4,42	3,61	3,13	2,95	2,67	2,46	6,26	4,42	3,61	3,13	2,95	2,67	2,46		

U* - Heat transfer coefficient;

U1 - Transfer coefficient, considering the panel's profile geometry and the thermal influence of the joint.

U2 - Heat transfer coefficient, considering the panel's profile geometry.

*Calculation according to EN 14509:2013, Method A.10.

ASSEMBLY:

The assembly is performed according to the Assembly Instructions provided by the producer.

The panels and materials used in the assembly are not dangerous for the environment.

The waste resulting after the assembly, and at the end of the use of the constructions, is collected by type of material and handed over to specialized companies for their takeover.

The products bear the **CE** marking – harmonized standard **EN 14509:2013**.