
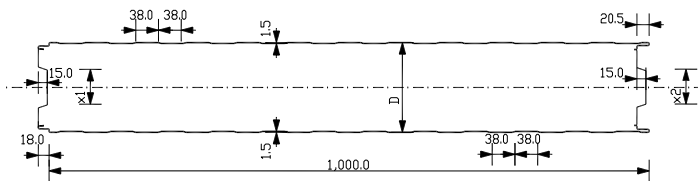
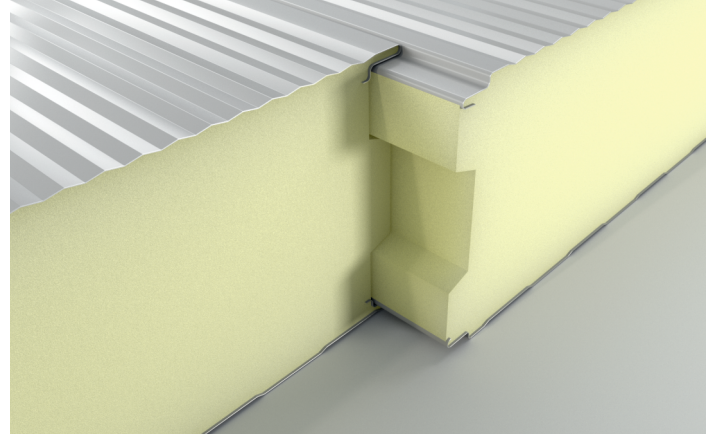
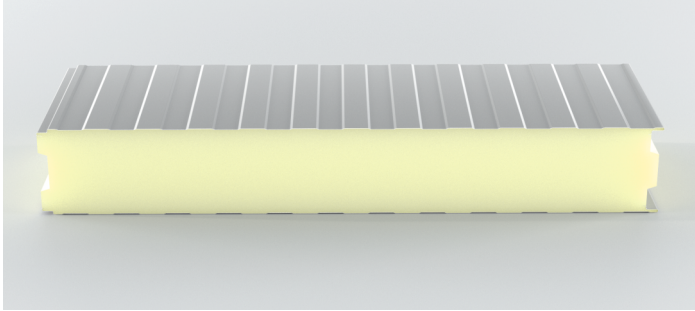


ISOFRIG PUR/PIR (RF, XV)

 Made in Romania



For **D=150**, X1=60mm, X2=56mm
For **D=200**, X1=110, X2=106

PRODUCT:

Thermal insulating wall panel with frigo 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	ISOFRIG
PIR (RF)	ISOFRIG RF
PIR (XV)	ISOFRIG XV

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

b) Insulating layer:

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

c) 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

d) Fire resistance:



Insulating core PIR (RF)

ISOFRIG RF	Partition EI30 E30 EW30 Exterior wall EI30 E30 EW30 (0<->i)	Valid for D=150 and 200mm (frigo joint)
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Insulating core PIR (XV)

ISOFRIG XV	Partition EI15 E15 Exterior wall EI15 E15 (0<->i)	Valid for D=150 and 200mm (frigo joint)
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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: 120-200 [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		
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		
150	12,50	0,15	0,14	6,97	4,93	4,02	3,49	3,29	2,97	2,74	6,97	4,93	4,02	3,49	3,29	2,97	2,74		
200	14,40	0,11	0,11	8,08	5,71	4,66	4,04	3,81	3,45	3,17	8,08	5,71	4,66	4,04	3,81	3,45	3,17		

U* - Heat transfer coefficient;

U1 - Heat 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**.