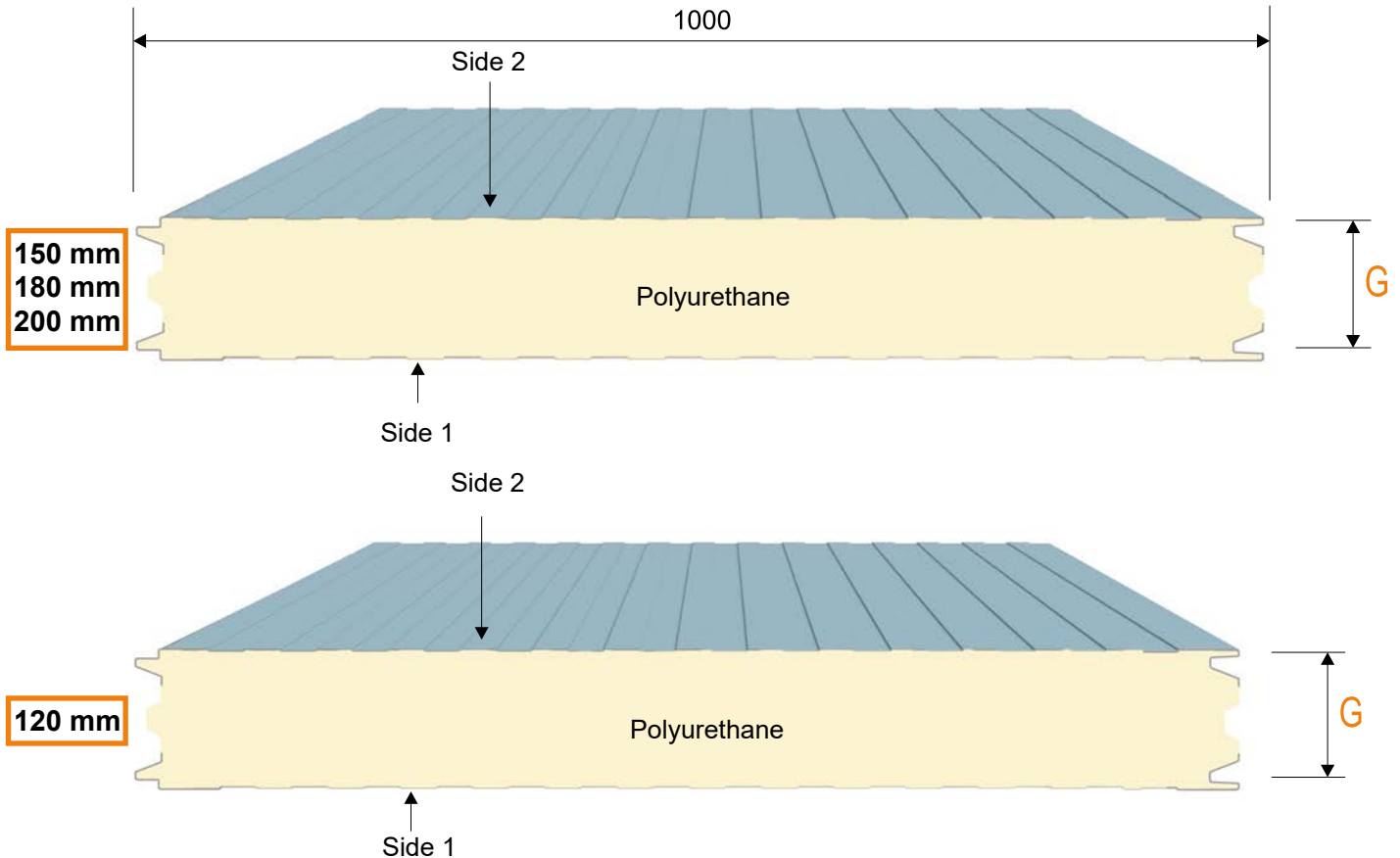


Self-supporting steel insulated panel from polyurethane with **labyrinth joint**, designed for the construction of warehouses and cold storage rooms. The joinery system for this panel ensures excellent performances, substantially contributing to the reduction of thermal losses.



Upon request, there can be produced thermo-insulated panels of polyisocyanurate (PIR) foam, with **fire resistance**

Table of permissible loads**

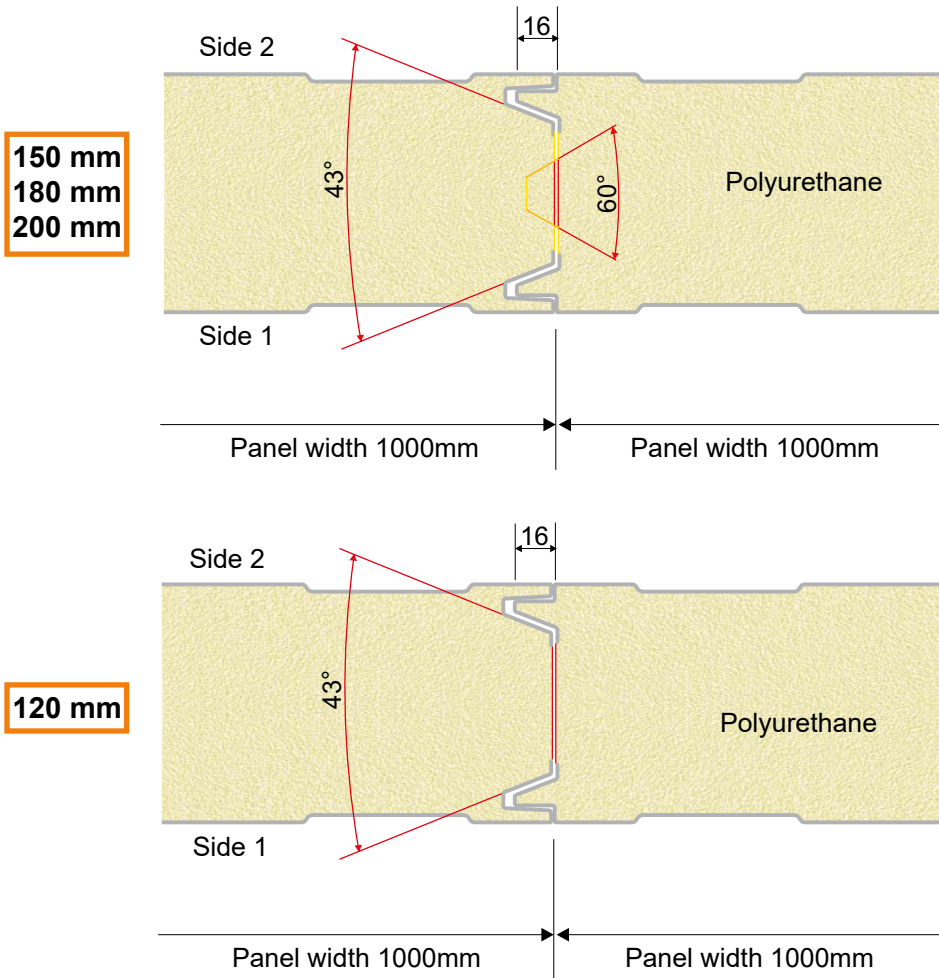
Maximum values guaranteed for the distances (l), between two supports for a panel with a 0,5 mm thick steel exterior side, and 0,5 mm thick steel interior side - subjected at uniform distributed loads (p).

G (mm)	Loadings (daN/m ²)				
	60	80	100	120	150
120	6,85	6,00	5,40	4,95	4,40
150	8,05	7,10	6,40	5,85	5,20
180	9,10	8,10	7,35	6,70	6,00
200	9,90	8,75	7,90	7,25	6,50

G (mm)	Loadings (daN/m ²)				
	60	80	100	120	150
120	7,90	6,90	6,20	5,70	5,05
150	9,25	8,15	7,35	6,75	6,00
180	10,45	9,30	8,45	7,70	6,90
200	11,40	10,05	9,10	8,35	7,50

**The company reserves the right to make the necessary modifications or improvements to its products, at any time, without being subject to prior notice.

Wall Panel



STEEL(0,5mm) – STEEL (0,5mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT (K)	
G	M	K	
(mm)	(kg/m ²)	(kcal/m ² h °C)	(W/m ² K)
120	13,59	0,15	0,18
150	14,79	0,12	0,14
180	15,99	0,10	0,12
200	16,79	0,09	0,11

Permissible loadings **

The table contains the free admissible sizes (l) in meters, corresponding to each uniformly distributed load (p), calculated based on experimental data, so as to guarantee a maximum arrow (f) less (no more than) than l/200, considering a safety coefficient (upon breaking stress when bending) greater than or equal to 3.

Thermal transfer coefficients

The values were determined in an authorized laboratory, using the value of lambda thermal conductivity (measured at 10°C) of 0.021 W/mK (0.017 kcal/mhC), according to EN 12667:2002.

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