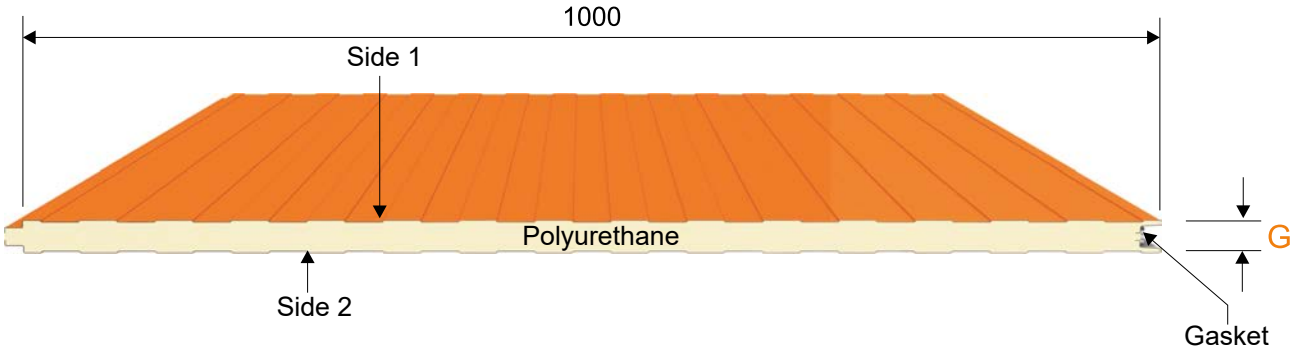
TOP WALL

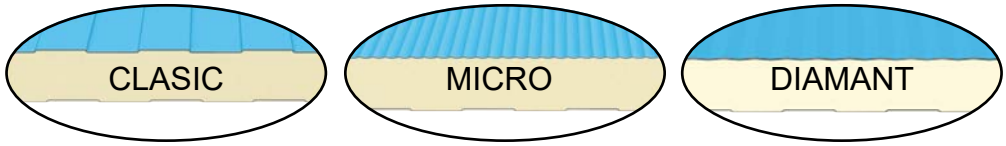
PRODUCT APPROVED CE

Wall Panel

Self-supporting steel insulated panel from polyurethane, designed for industrial and commercial buildings as well as partitioning in general.



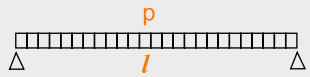
Side 2 profiling options:



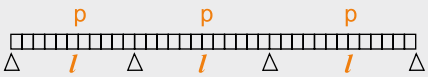
Upon request, there can be produced thermo-insulated panels of polyisocyanurate (PIR) foam, with fire resistance.

Table of permissible loads**

Maximum values guaranteed for the distances (l), between two supports for a panel with a 0,4 mm thick steel exterior side, and 0,4 mm thick steel interior side - subjected at uniform distributed loads (p).



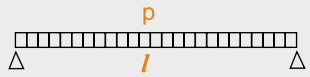
G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
30	2,25	1,90	1,75	1,55	1,35
40	2,80	2,45	2,15	1,95	1,70
50	3,35	2,90	2,60	2,35	2,05
60	3,85	3,35	3,00	2,70	2,40
80	4,75	4,15	3,75	3,40	3,05
100	5,60	4,95	4,45	4,05	3,60



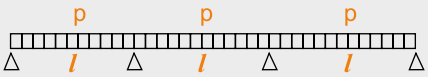
G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
30	2,50	2,15	1,95	1,75	1,50
40	3,15	2,75	2,40	2,20	1,90
50	3,75	3,25	2,90	2,65	2,30
60	4,30	3,75	3,35	3,00	2,70
80	5,30	4,65	4,20	3,80	3,40
100	6,25	5,55	5,00	4,55	4,05

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/m²)				
	60	80	100	120	150
30	2,35	2,00	1,80	1,60	1,40
40	3,00	2,55	2,25	2,05	1,75
50	3,55	3,05	2,70	2,45	2,15
60	4,05	3,55	3,15	2,85	2,50
80	5,05	4,45	3,95	3,60	3,15
100	5,95	5,25	4,70	4,30	3,80



G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
30	2,65	2,25	2,00	1,80	1,55
40	3,35	2,85	2,50	2,30	1,95
50	4,00	3,40	3,00	2,75	2,40
60	4,55	4,00	3,55	3,20	2,80
80	5,65	5,00	4,40	4,05	3,55
100	6,65	5,90	5,25	4,80	4,25

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

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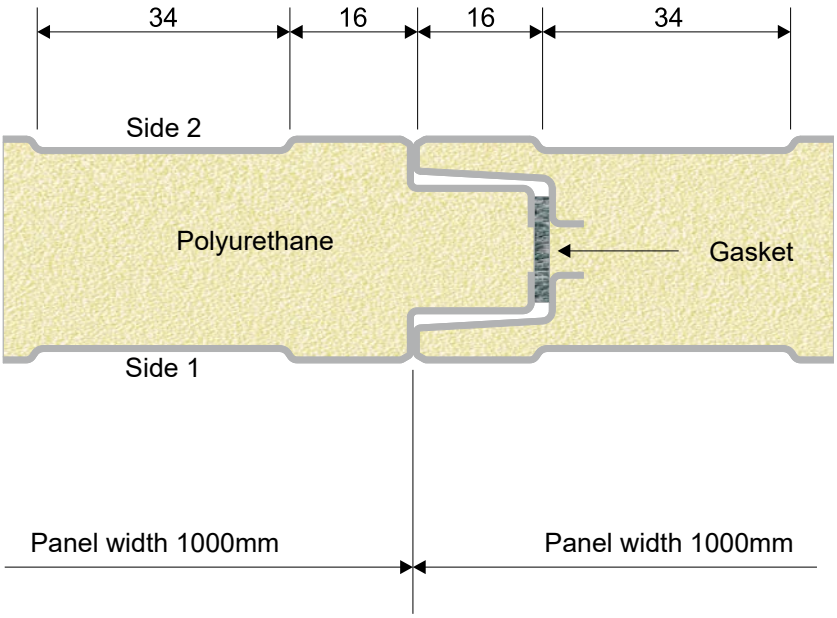

STEEL (0,4mm) – STEEL (0,4mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT **(K)**	
G	**M**	**K**	
(mm)	**(kg/m²)**	**(kcal/m² h °C)**	**(W/m²K)**
30	7,86	0,56	0,65
40	8,26	0,43	0,50
50	8,66	0,35	0,41
60	9,06	0,29	0,34
80	9,86	0,22	0,26
100	10,66	0,18	0,21

STEEL (0,5mm) – STEEL (0,5mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT **(K)**	
G	**M**	**K**	
(mm)	**(kg/m²)**	**(kcal/m² h °C)**	**(W/m²K)**
30	9,52	0,56	0,65
40	9,92	0,43	0,50
50	10,32	0,35	0,41
60	10,72	0,29	0,34
80	11,52	0,22	0,26
100	12,32	0,18	0,21

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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