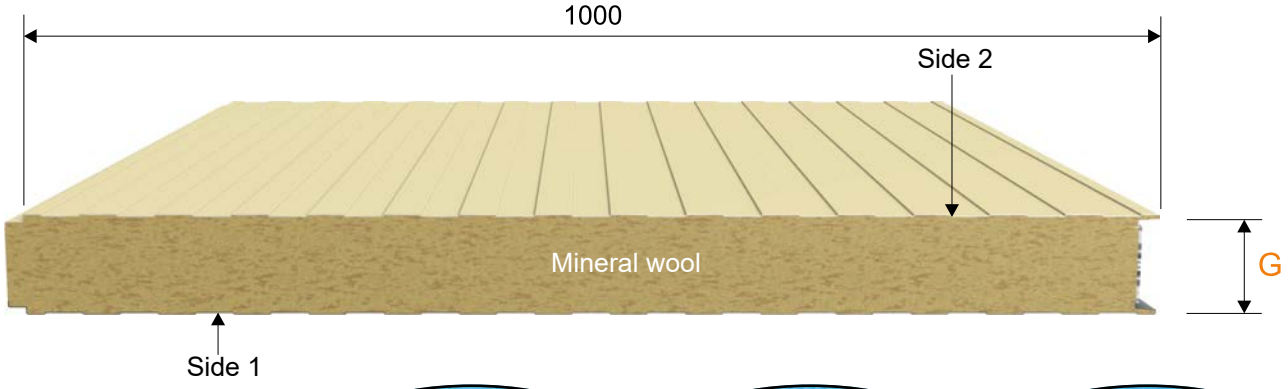
TOP FIRE WALL

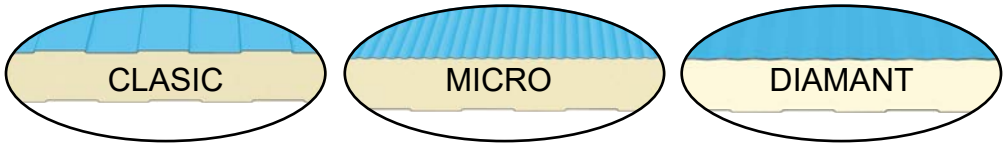
PRODUCT APPROVED CE

Wall Panel

Self-supporting steel insulated panel from mineral wool, designed for industrial and commercial buildings in general – as well as partitioning. The use of this type of panel is recommended when a higher fire resistance is required.



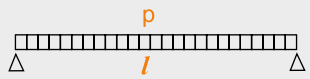
Side 2 profiling options:



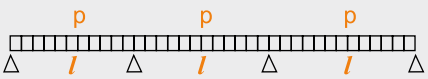
Depending on the thickness of the insulation, the panel fire resistance may vary.

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).



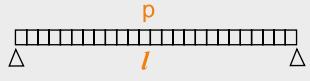
G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
50	3,20	2,46	1,96	1,64	1,31
60	3,48	2,81	2,35	1,97	1,58
80	4,05	3,51	3,14	2,64	2,11



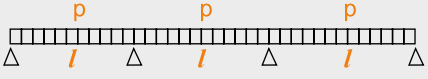
G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
50	3,58	2,73	2,18	1,82	1,45
60	3,89	3,13	2,62	2,19	1,75
80	4,53	3,93	3,50	2,92	2,35

Table of permissible loads **

Maximum values guaranteed for the distances (l), between two supports for a panel with a 0,6 mm thick steel exterior side, and 0,6 mm thick steel interior side - subjected at uniform distributed loads (p).



G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
50	3,75	2,84	2,31	1,94	1,57
60	4,17	3,35	2,72	2,32	1,87
80	5,00	4,38	3,65	3,08	2,48



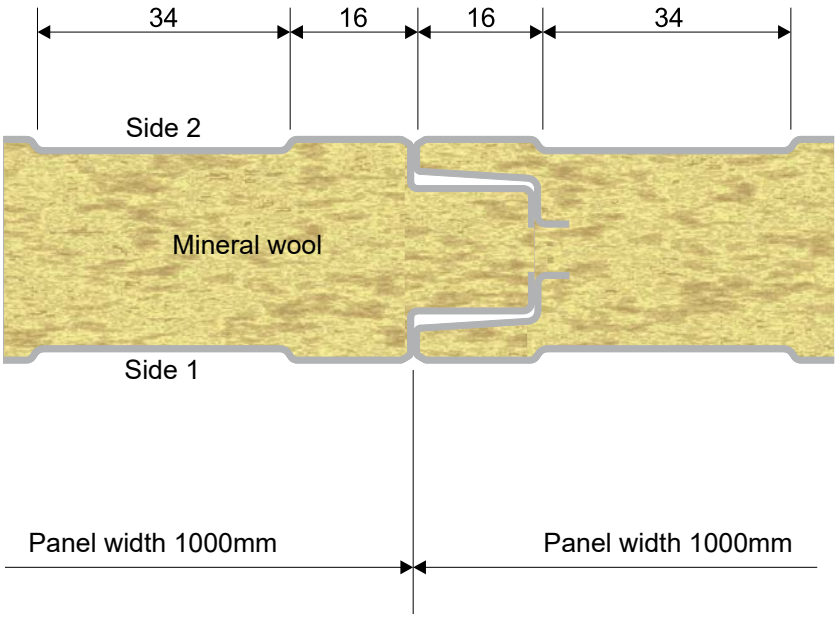
G (mm)	Loadings (daN/m²)				
	60	80	100	120	150
50	3,97	3,33	2,67	2,24	1,81
60	4,41	3,72	3,09	2,67	2,17
80	5,30	4,51	3,91	3,54	2,88

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

TOP FIRE WALL

PRODUCT APPROVED CE

Wall Panel



STEEL(0,5mm) - STEEL (0,5mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT **(K)**	
G	**M**	**K**	
(mm)	**(kg/m²)**	**(kcal/m² h °C)**	**(W/m²K)**
50	12,80	0,67	0,75
60	13,70	0,59	0,66
80	15,50	0,44	0,50

SEEL(0,6mm) - STEEL (0,6mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT **(K)**	
G	**M**	**K**	
(mm)	**(kg/m²)**	**(kcal/m² h °C)**	**(W/m²K)**
50	14,50	0,67	0,75
60	15,40	0,59	0,66
80	17,20	0,44	0,50

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 thermal conductivity value lambda (measured at 10°C) of 0.041 W/mK for basaltic mineral wool with a horizontal fiber orientation, according to EN 12667:2002.

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