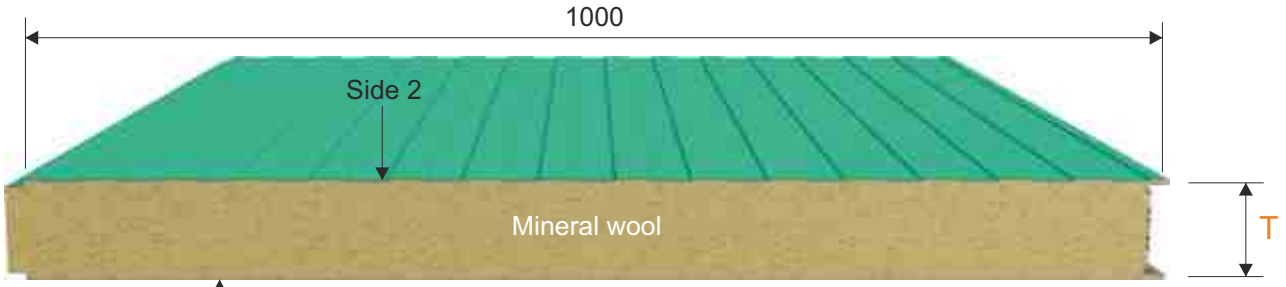
TOP FIRE WALL SOUND

Ratified Product

Wall panel

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



Side 2 profiling variants:

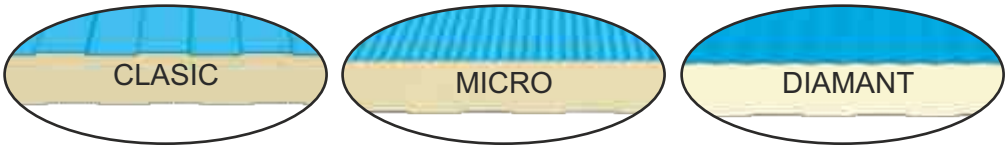
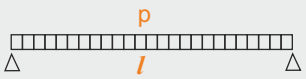
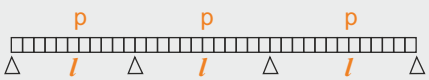


Table of admissible loads*

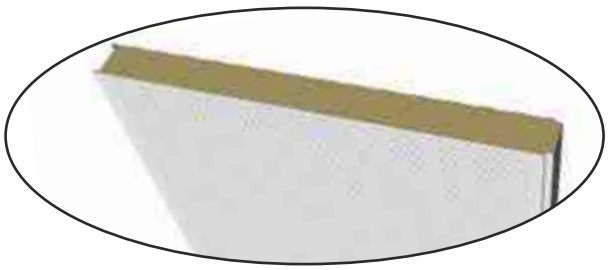
Maximum values guaranteed for the distances (*l*), between two supports for a panel with a 0.6 mm thick steel exterior side, and a 0.6 mm thick steel interior side, subject to uniformly distributed loads (p).



T (mm)	Load (daN/m²)				
	60	80	100	120	150
50	2,07	1,93	1,76	1,64	1,43
60	2,28	2,08	1,91	1,76	1,53
80	2,70	2,39	2,20	2,00	1,73
100	2,93	2,66	2,45	2,25	1,91
120	4,60	3,85	3,55	3,15	2,55
150	4,80	3,90	3,73	3,30	2,68



T (mm)	Load (daN/m²)				
	60	80	100	120	150
50	2,34	2,20	2,03	1,85	1,66
60	2,59	2,39	2,20	2,01	1,77
80	3,10	2,78	2,55	2,33	2,00
100	3,48	3,08	2,84	2,57	2,20
120	5,10	4,60	3,90	3,60	3,31
150	5,20	4,80	4,00	3,74	3,49



STEEL (0.6 mm) – STEEL (0.6 mm) PANEL WEIGHT		K THERMAL TRANSFER COEFFICIENT	
T	M	K	
(mm)	(kg/m²)	(kcal/m² h °C)	(W/m²K)
50	12,90	0,65	0,75
60	13,80	0,57	0,63
80	15,50	0,42	0,49
100	17,40	0,34	0,40
120	19,72	0,30	0,33
150	22,80	0,23	0,27

Admissible loads*

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.