

Roof Panel

Self-supporting steel insulated panel from mineral wool, equipped with 5 ribs, designed for tilted roofs with a minimum slope of 7%. The use of this type of panel is recommended when a higher sound protection & fire resistance is required.

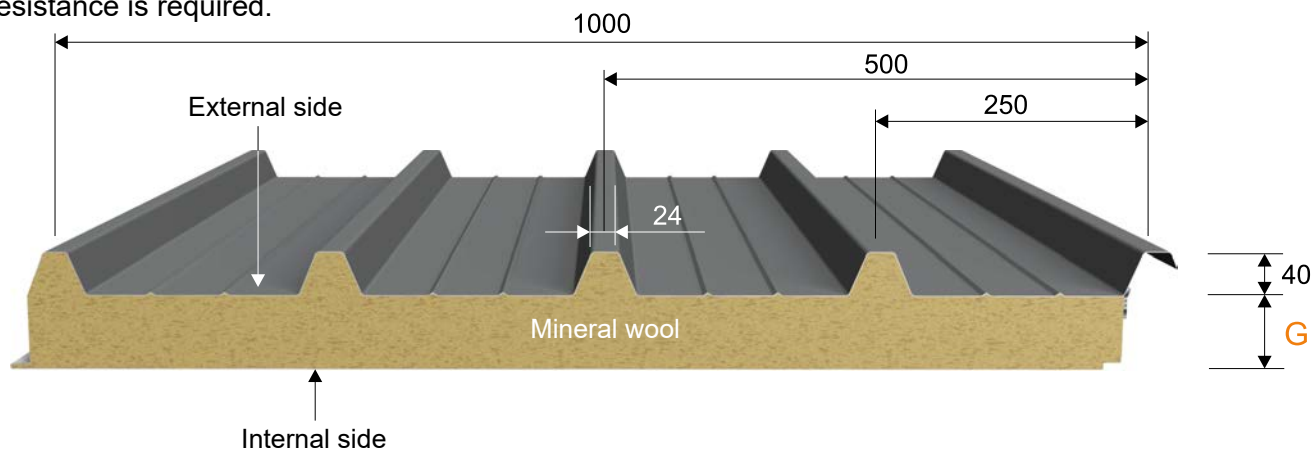
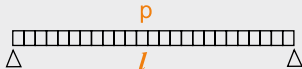



Table of permissible loads**

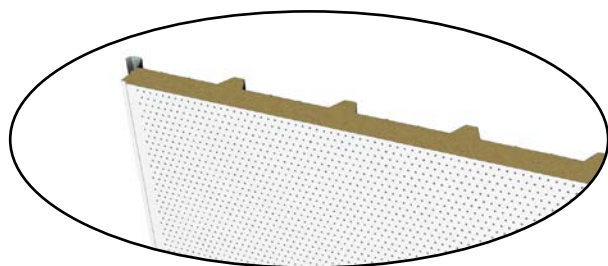
Maximum values guaranteed for the distances (*l*), between two supports for a panel with a 0,6 mm thick steel exterior side, and 0,6 mm thick steel interior side - subjected at uniform distributed loads (*p*).



G (mm)	Loadings (daN/m ²)						
	80	100	120	150	200	250	300
50	2,40	2,35	2,25	1,90	1,65	1,35	1,01
60	2,76	2,60	2,46	2,16	1,86	1,60	1,31
80	3,50	3,10	2,90	2,70	2,30	2,10	1,91
100	3,80	3,65	3,45	3,05	2,75	2,27	2,07
120	3,95	3,90	3,65	3,20	2,90	2,33	2,13
150	4,04	4,00	3,80	3,25	3,05	2,40	2,20



G (mm)	Loadings (daN/m ²)						
	80	100	120	150	200	250	300
50	3,25	3,15	3,05	2,60	1,95	1,65	1,30
60	3,46	3,35	3,25	2,90	2,35	1,90	1,60
80	3,90	3,75	3,65	3,48	3,15	2,34	2,13
100	4,35	4,05	3,85	3,75	3,45	2,54	2,31
120	4,70	4,20	4,10	3,85	3,60	2,80	2,50
150	5,00	4,35	4,20	3,98	3,80	3,00	2,70



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.

SEEL(0,6mm) - STEEL (0,6mm) PANEL WEIGHT		THERMAL TRANSFER COEFFICIENT (K)	
G (mm)	M (kg/m ²)	K (kcal/m ² h °C)	(W/m ² K)
50	13,80	0,60	0,70
60	14,80	0,58	0,64
80	16,70	0,41	0,47
100	18,50	0,33	0,39
120	20,70	0,26	0,30
150	23,70	0,23	0,27

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