

insulated panel for roof and wall

Product:

metallic insulated panel for roofing and walls.

Length:

on request, from continuous production.

Panel thickness:

standard 30-40-50 mm. Panel with non standard thickness may be supplied on request, upon agreement about the minimum quantities.

Metallic supports:

galvanized steel, pre-painted or plasticized galvanized steel; stainless steel, natural aluminium, pre-painted or embossed aluminium, copper.

Insulation:

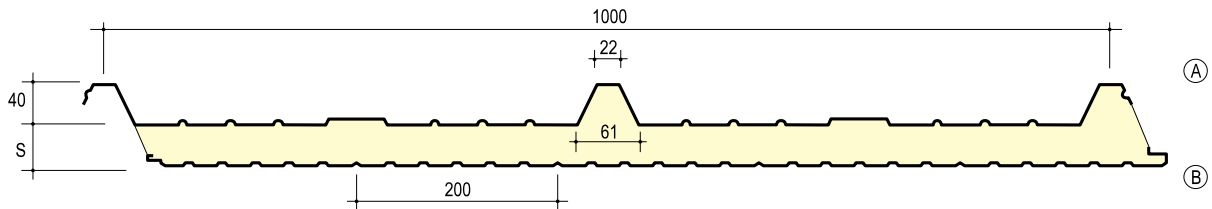
continuous foaming of:

- self-extinguishing polyurethane foams (PUR).

Protection treatment applicable on request:

polyester pre-painting for external parts, non toxic pre-painting for contact with food, silicone polyester, PVDF, Class A thermoplastic, application of PVC plastic film or other films.

A or **B** show the wished prepainted side.



maximum regularly distributed load in Kg/m²

S Thickness in mm	K W m ² K	Panel Weight in Kg/m ²			Distance among the "L" supports in meters									
					▲ L ▲ L ▲ L ▲					▲ L ▲				
		0,4+0,4	0,5+0,5	0,6+0,5	2,50	3,00	3,50	4,00	4,50	2,00	2,50	3,00	3,50	4,00
30	0,600	8,58	10,32	11,30	177	124	90	69	55	222	142	99	72	55
40	0,462	8,95	10,69	11,67	242	169	124	94	75	304	194	135	99	75
50	0,375	9,33	11,07	12,05	316	220	161	122	97	396	253	176	129	98
60	0,316	9,70	11,44	12,42	396	275	201	154	122	496	317	220	161	123
80	0,240	10,45	12,19	13,17	571	396	291	222	176	714	457	317	233	178
100	0,194	11,20	12,94	13,92	761	529	389	296	235	952	609	423	311	237

The calculus of the K values reported on the table has been effected without to take into consideration the contribution provided by the coefficients of liminar exchange a_i and a_e (average values $a_i = 8$ $a_e = 20$ W/m²K); $K = \frac{1}{1/\alpha_i + s/\lambda + 1/\alpha_e}$ W/m²K such a contribution may be quantified according to the expression:

CONVERSION FORMULAE: 1 Kg/m² = 0,0098 KN/m² • 1 Kcal/m² h °C = 1,16 W/m² K

- The loads reported on the table refer to supports of mm 0,6+0,5 thickness, and they are intended with the A support upwards.