

## insulated panel for roof and wall

**Product:**

metallic insulated panel for roofing and walls.

**Lenght:**

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:**

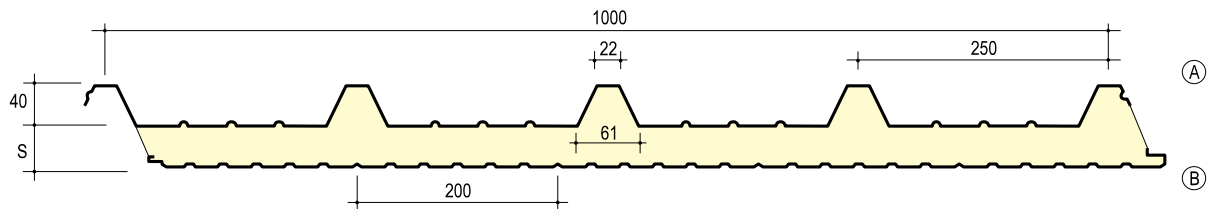
continuous foaming of:

- 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/m<sup>2</sup>

S Thickness in mm	K W m <sup>2</sup> K	Panel Weight in Kg/m <sup>2</sup>			Distance among the "L" supports in meters									
					Kg/m <sup>2</sup>					Kg/m <sup>2</sup>				
		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	0,546	8,64	10,44	11,42	246	171	125	96	76	308	197	137	100	77
40	0,423	9,02	10,82	11,80	321	224	164	125	100	402	257	179	131	100
50	0,353	9,39	11,19	12,17	405	281	206	158	125	507	324	225	165	127
60	0,300	9,76	11,56	12,54	496	344	252	194	152	620	397	275	202	155
80	0,231	10,52	12,32	13,30	691	480	352	270	214	865	553	384	282	216
100	0,188	11,26	13,06	14,05	902	626	460	352	279	1128	722	501	368	282

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/m<sup>2</sup>K);  $K = \frac{1}{1/\alpha_i + s/\lambda + 1/\alpha_e}$  W/m<sup>2</sup>K such a contribution may be quantified according to the expression:

CONVERSION FORMULAE : 1 Kg/m<sup>2</sup> = 0,0098 KN/m<sup>2</sup> • 1 Kcal/m<sup>2</sup> h °C = 1,16 W/m<sup>2</sup> K

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