

insulated panel for wall

Product:

metallic insulated panel for walls.

Lenght:

on request, from continuous production.

Panel thickness:

standard 40-50 mm. Panel with non standard thickness (max. mm. 250) 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.

Insulation:

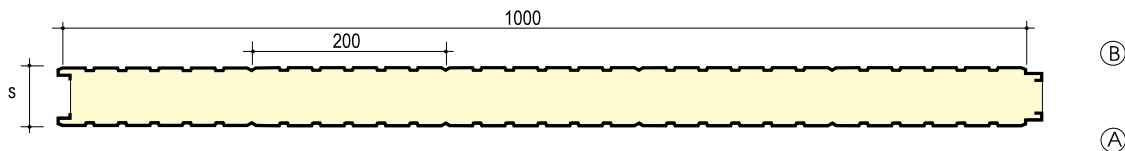
continuous foaming of:

- 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 ▲				
				Kg/m ²					Kg/m ²				
		0,4 + 0,4	0,5 + 0,5	2,50	3,00	3,50	4,00	4,50	2,00	2,50	3,00	3,50	4,00
25	0,800	7,92	9,67	133	77	48			157	80	46		
30	0,667	8,10	9,85	192	111	69	46		226	115	66	42	
35	0,572	8,29	10,04	263	152	96	64	45	308	157	91	57	
40	0,500	8,48	10,23	343	199	125	83	59	403	206	119	75	50
50	0,400	8,85	10,60	440	305	197	130	92	550	323	187	118	78
60	0,334	9,23	10,98	528	367	269	188	133	660	422	269	169	113
80	0,250	9,98	11,73	704	489	359	275	217	880	563	391	287	202
100	0,200	10,73	12,48	880	611	449	344	272	1100	704	489	359	275

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 α_i and α_e (average values $\alpha_i = 8$ $\alpha_e = 20$ W/m²K); such a contribution may be quantified according to the expression: $K = \frac{1}{1/\alpha_i + s/\lambda + 1/\alpha_e}$ W/m²K

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 support of standard thickness, neglecting the contribution of the stiffening ribs to establish the static features.