

insulated panel for roof

HEAT TRANSMISSION K COEFFICIENT FOR THE COAT OUT OF THE FLASHING S (thickness mm)	
S = 20	K = 0,751
S = 30	K = 0,546
S = 40	K = 0,423
S = 50	K = 0,353
S = 60	K = 0,300
S = 80	K = 0,231
S = 100	K = 0,188

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_1 and a_2 (average values $a_1 = 8$ $a_2 = 20$ W/m²K); such a contribution may be quantified according to the expression:

$$K = \frac{1}{1/\alpha_1 + s/\lambda + 1/\alpha_2} \text{ W/m}^2\text{K}$$

Size:

width mm. 1000, lenght on request, from continuous production.

Panel thickness:

standard thickness of polyurethane out of the flashing S = mm 20. Panels with non standard thickness (max 170 mm) may be supplied on request, upon agreement about the minimum quantities.

External supports:

galvanized steel, pre-painted or plasticized galvanized steel; stainless steel, natural aluminium, pre-painted or embossed aluminium, copper. Standard steel thickness mm 0,5. Greater or smaller thickness may be supplied on request.

Waterproofing support:

rolled bituminized feltboard; other non standardized material may be supplied on request, upon agreement about the minimum quantities.

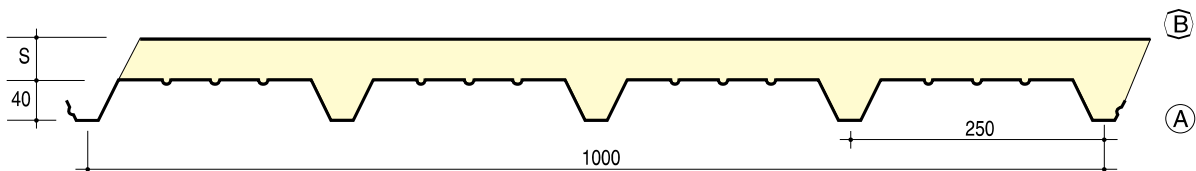
Insulation:

continuous foaming of:

- self-extinguishing polyurethane foams (PUR).

Protection treatment applicable on request:

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



maximum regularly distributed load in Kg/m²

support thickness in mm	panel weight Kg/m ²	DISTANCE AMONG THE "L" SUPPORTS IN METERS													
		Kg/m ²							Kg/m ²						
		1,00	1,50	2,00	2,50	3,00	1,00	1,50	2,00	2,50	2,75	3,00	3,25	3,50	
0,5	6,40	401	178	100	64		501	222	125	80	66	55	47		
0,6	7,38	481	213	120	77	49	601	266	150	96	80	66	57	49	
0,8	9,35	641	284	160	103	65	801	355	200	129	106	88	76	65	
1,0	11,31	802	355	200	129	82	1002	444	250	161	132	111	95	81	

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