

# Glamet® G5

## ROOF DESIGN



Self-supporting metal panel, insulated with PUR-insulation, with external side in copper for sloping roofs with a minimum slope of 7%.

Internal side also available:

- Centesimal Aluminium
- Feltpaper
- TPO

Profiled PUR-insulated roof system, slope  $p \geq 7\%$

PRODUCED IN:  
ITALY  
SPAIN



### Table of safe spans

Values guaranteed with external face in steel, 0.5 mm thick, and internal face in steel, 0.4 mm thick or with both faces in aluminium 0.6 mm thick with external face in aluminium, 0.6 mm thick, and internal face in steel, 0.5 mm thick. The spans  $l$  (m) as a function of a uniformly distributed overload  $p$  (daN/m<sup>2</sup>), have been obtained from load tests carried out in Metecno laboratories, and provide a deflection  $f \leq l/200$  with a safety coefficient that complies with the UEAtc standards for insulated panels, which have been established and are implemented by primary European Certifying Organizations.

With external and/or internal steel thicknesses inferior to the above mentioned ones, the guarantee on the admissible loads for the spans indicated in the table is maintained, while it is not maintained on the deflection limit and the safety coefficient.

#### steel - steel

S mm	K		Panel weight kg/m <sup>2</sup> 0.5 + 0.4																			
	Kcal m <sup>2</sup> h °C	Watt m <sup>2</sup> °C		p = (daN/m <sup>2</sup> )											p = (daN/m <sup>2</sup> )							
				60	80	100	120	150	200	250	300	60	80	100	120	150	200	250	300			
30	0,47	0,54	9,53	l =	5,05	4,40	3,90	3,55	3,10	2,70	2,40	2,20	4,50	3,90	3,40	3,10	2,80	2,40	2,15	1,95		
40	0,37	0,43	9,91	l =	5,35	4,70	4,15	3,80	3,40	2,95	2,60	2,40	4,80	4,15	3,75	3,40	3,05	2,60	2,35	2,10		
50	0,31	0,36	10,29	l =	5,65	4,90	4,40	4,00	3,60	3,10	2,80	2,60	5,10	4,40	3,90	3,60	3,20	2,80	2,45	2,20		
60	0,26	0,32	10,67	l =	6,00	5,20	4,65	4,25	3,80	3,25	2,95	2,75	5,35	4,60	4,15	3,80	3,35	2,95	2,60	2,35		
80	0,21	0,24	11,43	l =	6,65	5,65	5,15	4,65	4,25	3,60	3,25	3,00	5,90	5,05	4,70	4,25	3,70	3,25	2,95	2,60		
100	0,17	0,19	12,19	l =	7,35	6,30	5,65	5,15	4,65	3,95	3,60	3,35	6,45	5,60	5,10	4,65	4,10	3,60	3,15	2,85		

#### aluminium - steel

S mm	K		Panel weight kg/m <sup>2</sup> 0.6 + 0.5															
	Kcal m <sup>2</sup> h °C	Watt m <sup>2</sup> °C		p = (daN/m <sup>2</sup> )								p = (daN/m <sup>2</sup> )						
				60	80	100	120	150	200	250	60	80	100	120	150	200	250	
30	0,47	0,54	7,57	l =	3,45	2,95	2,65	2,45	2,15	1,90	1,70	3,05	2,65	2,40	2,15	1,95	1,70	1,50
40	0,37	0,43	7,95	l =	3,80	3,30	2,95	2,70	2,45	2,10	1,85	3,40	2,95	2,65	2,45	2,20	1,90	1,70
50	0,31	0,36	8,33	l =	4,25	3,70	3,35	3,00	2,70	2,40	2,10	3,80	3,30	2,95	2,70	2,45	2,10	1,85
60	0,26	0,32	8,71	l =	4,65	4,15	3,65	3,35	2,95	2,65	2,35	4,25	3,65	3,30	2,95	2,65	2,30	2,00
80	0,21	0,24	9,47	l =	5,50	4,90	4,35	4,00	3,50	3,10	2,75	5,10	4,35	3,90	3,50	3,15	2,75	2,35

