

Metcover HF G3

ROOF
DESIGN



Self-supporting metal panel, insulated with polyurethane for gabled roofs with a minimum 3% slope without ridge and 6% slope with ridge..

Our expertise in panel development and manufacture has led to the production of METCOVER HF G3: panel with three corrugated section and hidden double hinging, resulting in a panel highly resistant to wear and tear and offering a full watertight guarantee for any load-bearing structure whether in wood, steel or cement.

Profiled PUR-insulated roof system

PRODUCED IN:
SPAIN
PORTUGAL



Table of safe spans

The spans l (m) as a function of a uniformly distributed overload p (daN/m²), 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 ² 0,45 + 0,4															
	Kcal m ² h °C	Watt m ² °C		p = (daN/m ²)							p = (daN/m ²)							
				60	80	100	120	150	200	250	60	80	100	120	150	200	250	
30	0,51	0,59	8,51	$l =$	4,05	3,45	3,00	2,65	2,35	1,95	1,65	3,75	3,15	2,75	2,40	2,05	1,70	1,50
40	0,40	0,47	8,89	$l =$	4,50	3,85	3,30	2,95	2,50	2,05	1,70	4,00	3,40	2,95	2,55	2,15	1,75	1,55
50	0,33	0,39	9,27	$l =$	4,85	4,10	3,55	3,15	2,70	2,15	1,80	4,35	3,65	3,15	2,80	2,35	1,85	1,60
60	0,28	0,33	9,65	$l =$	5,20	4,35	3,80	3,35	2,85	2,25	1,85	4,70	3,95	3,40	3,00	2,50	2,00	1,65
80	0,22	0,26	10,41	$l =$	5,65	4,80	4,20	3,75	3,15	2,50	2,05	5,30	4,50	3,90	3,50	2,95	2,25	1,85

steel - steel

S mm	K		Panel weight kg/m ² 0,5 + 0,4															
	Kcal m ² h °C	Watt m ² °C		p = (daN/m ²)							p = (daN/m ²)							
				60	80	100	120	150	200	250	60	80	100	120	150	200	250	
30	0,51	0,59	8,95	$l =$	4,50	3,85	3,35	2,95	2,60	2,15	1,85	4,00	3,40	2,95	2,65	2,25	1,90	1,65
40	0,40	0,47	9,33	$l =$	5,00	4,25	3,65	3,25	2,75	2,25	1,90	4,45	3,75	3,25	2,85	2,40	1,95	1,70
50	0,33	0,39	9,71	$l =$	5,40	4,55	3,95	3,50	3,00	2,40	2,00	4,85	4,05	3,50	3,10	2,60	2,05	1,75
60	0,28	0,33	10,09	$l =$	5,75	4,85	4,20	3,70	3,15	2,50	2,05	5,20	4,40	3,85	3,30	2,80	2,20	1,80
80	0,22	0,26	10,85	$l =$	6,25	5,35	4,65	4,15	3,50	2,80	2,25	5,90	5,00	4,35	3,85	3,25	2,50	2,05

