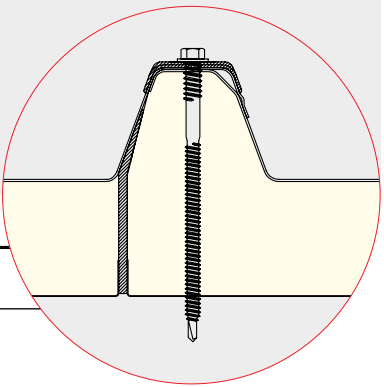
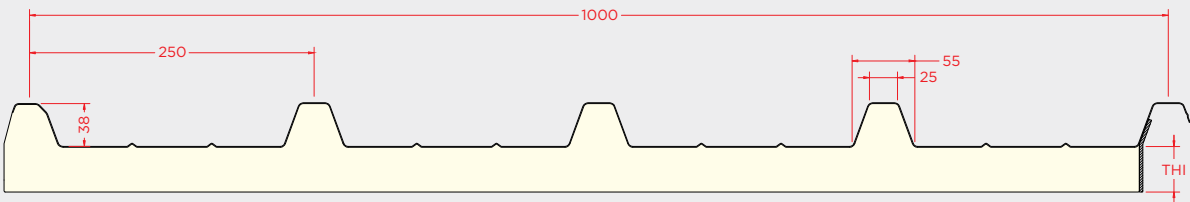




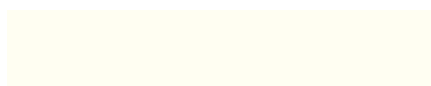
Designation	Monotop 5.
Description	5 wave insulated panel for exteriors, composed by an exterior face made of profiled metal sheet, an interior face made of flexible embossed aluminum or felt board, and a rigid polyurethane (PUR) foam core.
Application	Building roofs.
Dimensions*	Thicknesses 30-40-50-60-80-100 mm ± 2 mm Width: 1000 mm ± 2 mm Length: 4,00 – 18,00 m ± 2 mm Maximum recommended length: 13,00 m
Metallic support	Steel grade S250GD, EN 10346 Organic coating lacquered coils: EN 10169+A1 Thicknesses: 0,4-0,5-0,6-0,7 mm
Insulated core	Polyurethane (PUR) Thermal conductivity: 0,0207 W/m °C Density: 40 kg/m ³
Coating	Standard: Polyester paint 25 μ m Specials: Granite HDX 55 μ m PVDF 35 μ m

**Tolerances according to EN 14509
Panel with undeclared performance: F rating
W/m K = W/m °C | W/m² K = W/m² °C*

Color range

The colors displayed in the catalog meet our standards as accurately as possible. However, minor variations are inevitable, which is why we recommend that you always perform a color test using an actual sample.

RAL 9010 Pure white



RAL 9006 White aluminium



RAL 9004 Signal black



RAL 7022 Umbra grey



RAL 7016 Anthracite grey



RAL 7012 Basalt grey



RAL 6005 Moss green



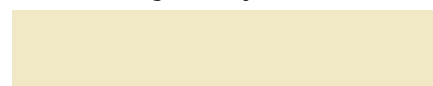
RAL 5010 Gentian blue



RAL 3009 Oxide red



RAL 1015 Light ivory



Thermal behavior and weights

Thickness	mm	30	40	50	60	80	100
Thermal transmittance, U (EN 14509 A.10)	W/m² °C	0,62	0,47	0,38	0,32	0,24	0,20
Weight (Steel sheet Thickness 0,5)	Kg/m²	6,0	6,4	6,8	7,2	8,0	8,7

W/m K = W/m °C | W/m² K = W/m² °C

Load/Span tables

Steel sheet | Thicknesses 0,4/0,5/0,6/0,7

Simple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]											
mm	▲ ▼	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	
0,4	▲	1,88	1,49	1,10	0,81	0,62	0,49	0,39	0,32				
	▼	1,88	1,49	1,07	0,78	0,51							
0,5	▲	2,64	1,97	1,39	1,03	0,79	0,63	0,51	0,42	0,35			
	▼	2,64	2,10	1,48	1,08	0,75	0,39						
0,6	▲	3,92	2,61	1,85	1,38	1,07	0,85	0,69	0,57	0,48	0,41	0,35	
	▼	3,92	3,11	2,15	1,57	1,12	0,65	0,35					
0,7	▲	4,98	3,31	2,35	1,76	1,37	1,09	0,89	0,74	0,62	0,53	0,46	
	▼	5,43	4,18	2,89	2,11	1,49	0,91	0,54					

▲ Ascending load ▼ Descending load

Multiple support conditions

Thickness	Load	Uniformly distributed loads [kN/m²] Span L [m]											
mm	▲ ▼	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	
0,4	▲	1,49	1,19	0,98	0,78	0,59	0,45	0,36					
	▼	1,49	1,19	0,98	0,81	0,62	0,49	0,39	0,32				
0,5	▲	2,10	1,67	1,39	1,08	0,81	0,64	0,51	0,41	0,34			
	▼	2,10	1,67	1,39	1,03	0,79	0,63	0,51	0,42	0,33			
0,6	▲	3,13	2,49	2,07	1,57	1,19	0,93	0,75	0,61	0,51	0,43	0,36	
	▼	3,13	2,49	1,85	1,38	1,07	0,85	0,69	0,57	0,48	0,33		
0,7	▲	4,34	3,46	2,88	2,11	1,61	1,26	1,01	0,83	0,69	0,58	0,50	
	▼	4,34	3,31	2,35	1,76	1,37	1,09	0,89	0,74	0,62	0,51	0,32	