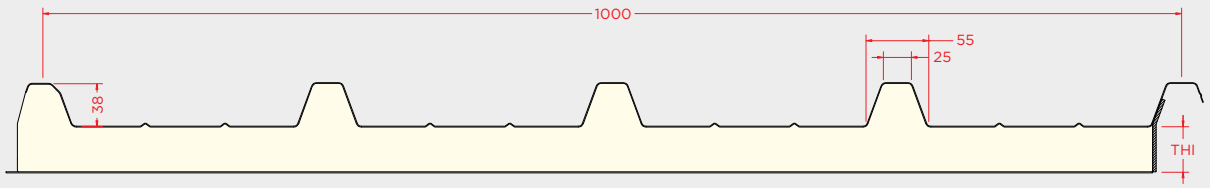
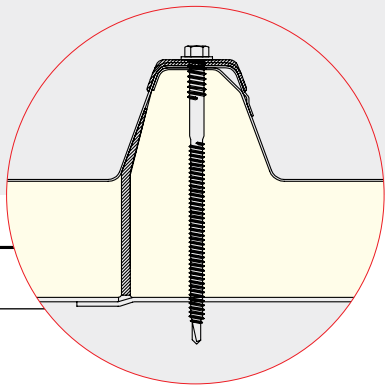
Agrotop® 5
Technical data

Mod. 39.01
Rev. 06 | 09.09.2025

O FELIZ PAINEL





Designation	Agrotop® 5.
Description	5 wave roof panel for agricultural facilities, with external face in profiled sheet and internal face in polyester sheet, reinforced with fiberglass resistant to biochemical corrosion.
Application	Roofs of agricultural buildings or facilities exposed to corrosive environments.
Dimensions*	Thicknesses: 30–40–50–60–80–100 mm ±2 mm Width: 1000 mm ±2 mm Length: 4,00 — 14,00 m ±10 mm Maximum recommended length: 12,00 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/m³
Coating	Standard: Polyester paint 25 µm Specials: Granite HDX 55 µm | PVDF 35 µm Polyester sheet with fiberglass on the inside.

**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	0,61	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