

**SCOPE**

Self-supporting roofing product for discontinuous laying made from metallic coated steel sheet with or without additional organic coatings used as roofing profile.

**MATERIAL (Steel)**

CHARACTERISTIC	STAND. REF.	Thickness (mm)					
		0,60	0,70	0,75	0,80	1,00	1,20
Weight (kg/m <sup>2</sup> )		7,85	9,16	9,81	10,47	13,08	15,70
l <sub>g</sub> (cm <sup>4</sup> /ml)		141,640	166,933	179,580	192,227	242,813	293,399
W <sub>1</sub> (cm <sup>3</sup> /ml)		34,586	40,774	43,870	46,962	59,335	71,715
W <sub>2</sub> (cm <sup>3</sup> /ml)		21,775	25,659	27,600	29,543	37,311	45,077

**GEOMETRICAL CHARACTERISTICS**

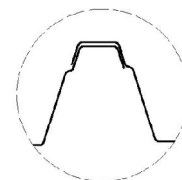
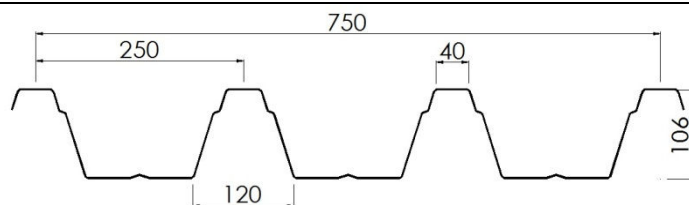
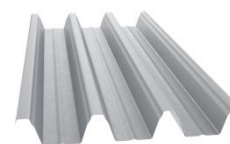
CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	106	mm	± 2,0
Depth of stiffeners	5	mm	± 1,0
Pitch	250	mm	± 4,0
Widths of crown and valley (b <sub>1</sub> ,b <sub>2</sub> )	(40,130)	mm	+2,0/-1,0
Cover width (w)	0,750	mm	± h/10 (Max.: 15 mm)
Radius of bends (r)	6	mm	+ 2,0 / 0,0
Deviation from straightness (δ)	≤ tolerance	mm	2,0 / ml (Max.: 10,0)
Deviation from squareness (s)	≤ tolerance	mm	≤ 0,5% de (w)
Length (l)	According to order <sup>(1)</sup>	mm	l ≤ 3.000 mm +10,0/-5,0 l > 3.000 mm + 20,0/-5,0
Deviation of side lap (D)	≤ tolerance	mm	± 2,0 on 500 mm
Curve radius and angles	---	°	---
Reaction to fire	Class A1 <sup>(2)</sup> / Class C-s3,d0 <sup>(3)</sup>		

<sup>(1)</sup> Maximum length: 14.000 mm; Minimum length: 1.200 mm

<sup>(2)</sup> Class A1: According to commission decision 2010/737/UE



<sup>(3)</sup> Class C-s3,d0: According to commission decision 2010/737/UE for Plastisol PVC coating

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**OVERLAP DETAIL**

**SECTION DETAIL**

**3D DETAIL**

**PERMISSIBLE SPAN (m) FOR POSITIVE LOADS – Limitation of deflection: L/200**

Positive load (daN/m <sup>2</sup> )	Two-span beam						Three-span beam					
	Thickness (mm)											
	0,60	0,70	0,75	0,80	1,00	1,20	0,60	0,70	0,75	0,80	1,00	1,20
50	3,70	4,30	5,05	5,40	6,30	6,80	5,35	5,75	5,90	6,10	6,75	7,30
75	3,70	4,30	5,05	5,35	5,65	5,95	5,35	5,75	5,90	6,10	6,75	7,30
100	3,70	4,30	4,90	5,00	5,30	5,50	5,35	5,65	5,70	5,80	6,25	6,65
125	3,70	4,30	4,55	4,65	5,00	5,20	4,80	5,15	5,35	5,50	5,80	6,15
150	3,70	4,15	4,25	4,35	4,70	5,00	4,40	4,75	4,90	5,05	5,60	5,80
175	3,70	3,95	4,05	4,15	4,45	4,75	4,10	4,40	4,55	4,70	5,20	5,65
200	3,55	3,80	3,85	3,95	4,25	4,55	3,85	4,15	4,25	4,40	4,90	5,35
225	3,35	3,60	3,70	3,80	4,10	4,35	3,60	3,90	4,05	4,15	4,65	5,05
250	3,20	3,45	3,55	3,65	3,95	4,20	3,45	3,70	3,85	3,95	4,40	4,80

**PERMISSIBLE SPAN (m) FOR NEGATIVE LOADS (fastening to valley)**

Steel support thickness (mm)	Negative load (daN/m <sup>2</sup> )												
		Thickness (mm)											
		0,60	0,70	0,75	0,80	1,00	1,20	0,60	0,70	0,75	0,80	1,00	1,20
3,00	50	3,70	4,30	5,05	5,40	6,40	6,80	5,40	5,80	5,95	6,15	6,40	6,40
	75	3,70	4,30	5,05	5,30	5,30	5,30	4,25	4,25	4,25	4,25	4,25	4,25
	100	3,70	4,00	4,00	4,00	4,00	4,00	3,20	3,20	3,20	3,20	3,20	3,20
	125	3,20	3,20	3,20	3,20	3,20	3,20	2,55	2,55	2,55	2,55	2,55	2,55
	150	2,65	2,65	2,65	2,65	2,65	2,65	2,10	2,10	2,10	2,10	2,10	2,10
	175	2,25	2,25	2,25	2,25	2,25	2,25	1,80	1,80	1,80	1,80	1,80	1,80
6,00	200	2,00	2,00	2,00	2,00	2,00	2,00	1,60	1,60	1,60	1,60	1,60	1,60
	50	3,70	4,30	5,05	5,40	6,40	6,80	5,40	5,80	5,95	6,15	6,80	7,30
	75	3,70	4,30	5,05	5,35	5,65	5,95	5,40	5,80	5,95	6,15	6,80	7,30
	100	3,70	4,30	4,90	5,00	5,30	5,50	5,40	5,65	5,70	5,80	6,25	6,40
	125	3,70	4,30	4,55	4,65	5,00	5,20	4,85	5,10	5,10	5,10	5,10	5,10
	150	3,70	4,15	4,25	4,35	4,70	5,00	4,25	4,25	4,25	4,25	4,25	4,25
10,00	175	3,70	3,95	4,05	4,15	4,45	4,55	3,65	3,65	3,65	3,65	3,65	3,65
	200	3,60	3,80	3,85	3,95	4,00	4,00	3,20	3,20	3,20	3,20	3,20	3,20
	50	3,70	4,30	5,05	5,40	6,40	6,80	5,40	5,80	5,95	6,15	6,80	7,30
	75	3,70	4,30	5,05	5,35	5,65	5,95	5,40	5,80	5,95	6,15	6,80	7,30
	100	3,70	4,30	4,90	5,00	5,30	5,50	5,40	5,65	5,70	5,80	6,25	6,65
	125	3,70	4,30	4,55	4,65	5,00	5,20	4,85	5,20	5,40	5,55	5,80	6,15
10,00	150	3,70	4,15	4,25	4,35	4,70	5,00	4,45	4,80	4,95	5,10	5,60	5,80
	175	3,70	3,95	4,05	4,15	4,45	4,75	4,10	4,45	4,60	4,75	5,25	5,65
	200	3,60	3,80	3,85	3,95	4,25	4,55	3,85	4,15	4,30	4,45	4,95	5,30

The partial safety factor of the fastening is 2,00.

For any further clarification, you can contact Technical Department ([tecnico@europafil.com](mailto:tecnico@europafil.com) or by phone).  
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