

SCOPE

Self-supporting metal sheet for external walls (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

MATERIAL (Steel)

CHARACTERISTIC	STAND. REF.	Thickness (mm)			
		0,70	0,75	1,00	1,20
Weight (kg/m ²)		7,55	8,09	10,78	12,94
I _g (cm ⁴ /ml)		45,440	48,892	66,167	80,009
W1 (cm ³ /ml)		11,563	12,434	16,776	20,237
W2 (cm ³ /ml)		10,304	11,080	14,950	18,035

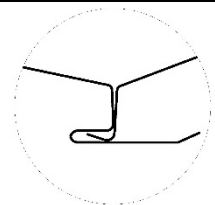
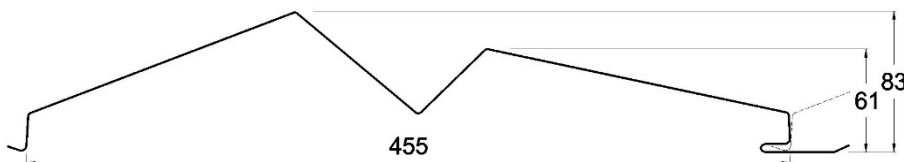
GEOMETRICAL CHARACTERISTICS

CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	83	mm	± 1,5
Depth of stiffeners	---	mm	---
Pitch	455	mm	± 3,0
Widths of crown and valley (b ₁ , b ₂)	(---, ---)	mm	---/---
Cover width (w)	455	mm	± h/10 (Max.: 15,0)
Radius of bends (r)	---	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% of (w)
Length (l)	According to order ⁽¹⁾	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 ⁽²⁾ / Class C-s3,d0 ⁽³⁾		



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OVERLAP DETAIL

SECTION DETAIL

LOAD TABLES (daN/m²) – Limitation of deflection: L/200

SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
2,75	176	190			176	190		
3,00	136	146	198		136	146	198	
3,25	107	115	155	188	107	115	155	188
3,50	85	92	124	150	85	92	124	150
3,75	69	75	101	122	69	75	101	122
4,00		62	83	101		62	83	101
4,25			70	84			70	84
4,50				71				71
4,75				60				60

SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
2,50	>250	>250			>250			
2,75	211	227			237	>250		
3,00	178	191	>250	>250	199	214	>250	>250

Maximum span length (3,00 m) is due to maximum manufacturing length (6,00 m).

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

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