

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)		58,818	63,283	85,634	103,539
W1 (cm ³ /ml)		13,692	14,723	19,868	23,969
W2 (cm ³ /ml)		12,424	13,360	18,029	21,750

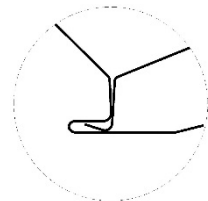
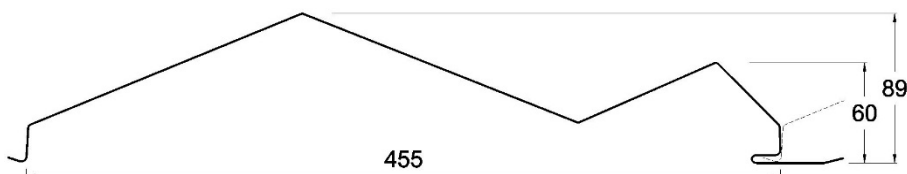
GEOMETRICAL CHARACTERISTICS

CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	89	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⁾		

⁽¹⁾ Maximum length: 6.000 mm; Minimum length.: 100 mm
⁽²⁾ Class A1: According to commission decision 2010/737/UE
⁽³⁾ Class C-s3,d0: According to commission decision 2010/737/UE for Plastisol PVC coating



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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)				Thickness (mm)			
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
3,00	176	189			176	189		
3,25	138	149			138	149		
3,50	111	119	161	195	111	119	161	195
3,75	90	97	131	158	90	97	131	158
4,00	74	80	108	130	74	80	108	130
4,25	62	66	90	109	62	66	90	109
4,50			76	92			76	92
4,75			64	78			64	78
5,00				67				67

SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)				Thickness (mm)			
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
2,75	>250	>250			>250			
3,00	214	230	>250	>250	236	>250	>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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