

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)

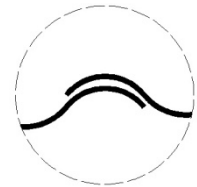
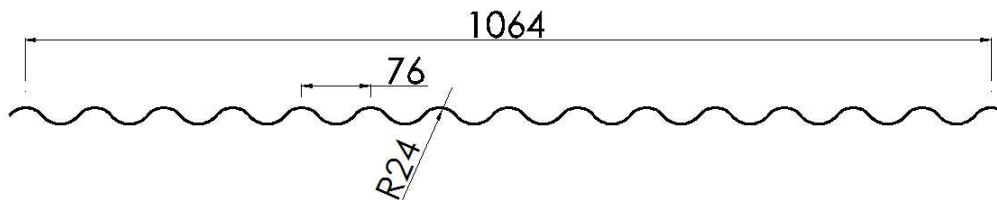
CHARACTERISTIC	STAND. REF.
Dimensional tolerance	EN 10143
Steel	EN 10346
Organic coating	EN 10169

	Thickness (mm)				
	0,60	0,70	0,75	0,80	1,00
Weight (kg/m ²)	5,53	6,46	6,92	7,38	9,22
I _g (cm ⁴ /ml)	2,311	2,723	2,930	3,136	3,961
W1 (cm ³ /ml)	2,485	2,913	3,125	3,336	4,170
W2 (cm ³ /ml)	2,485	2,913	3,125	3,336	4,170


GEOMETRICAL CHARACTERISTICS


CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	18	mm	---
Depth of stiffeners	---	mm	---
Pitch	76	mm	---
Widths of crown and valley (b ₁ ,b ₂)	(---,---)	mm	---
Cover width (w)	1.064	mm	---
Radius of bends (r)	---	mm	---
Deviation from straightness (δ)	---	mm	---
Deviation from squareness (s)	---	mm	---
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	---
Curve radius and angles	---	°	---
Reaction to fire	Class A1 ⁽²⁾ / Class C-s3,d0 ⁽³⁾		
⁽¹⁾ Maximum length: 14.000 mm; Minimum length: 1.800 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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 EN 14782:2006

OVERLAP DETAIL

SECTION DETAIL

3D DETAIL

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

 SPAN (m)	POSITIVE LOADS					NEGATIVE LOADS				
	Thickness (mm)									
	0,60	0,70	0,75	0,80	1,00	0,60	0,70	0,75	0,80	1,00
1,00	186	220	236			186	220	236		
1,25	95	112	121	129	164	95	112	121	129	164
1,50	55	65	70	75	95	55	65	70	75	95
1,75					60					60

 SPAN (m)	POSITIVE LOADS					NEGATIVE LOADS				
	Thickness (mm)									
	0,60	0,70	0,75	0,80	1,00	0,60	0,70	0,75	0,80	1,00
1,50	133	156	168	180	227	133	156	168	180	227
1,75	84	98	106	113	143	84	98	106	113	143
2,00	56	66	71	76	96	56	66	71	76	96
2,25				53	67				53	67

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