

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)

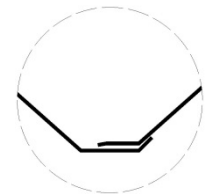
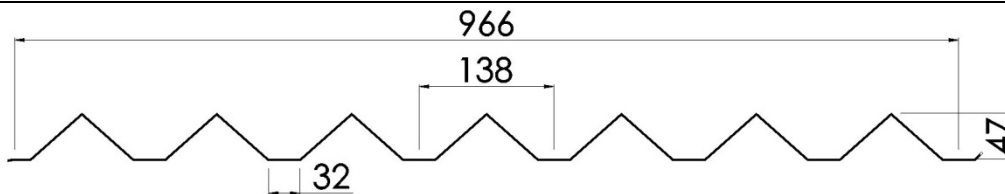
CHARACTERISTIC	STAND. REF.
Dimensional tolerance	EN 10143
Steel	EN 10346
Organic coating	EN 10169


	Thickness (mm)					
	0,60	0,70	0,75	0,80	1,00	1,20
Weight (kg/m ²)	6,09	7,11	7,62	8,13	10,16	12,19
I _g (cm ⁴ /ml)	27,901	32,883	35,374	37,865	47,830	57,794
W ₁ (cm ³ /ml)	25,405	29,806	31,992	34,168	42,773	51,226
W ₂ (cm ³ /ml)	7,619	8,968	9,641	10,313	12,991	15,655


GEOMETRICAL CHARACTERISTICS

CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	47	mm	± 1,0
Depth of stiffeners	---	mm	---
Pitch	138	mm	± 2,0
Widths of crown and valley (b ₁ ,b ₂)	(---,32)	mm	+2,0/-1,0
Cover width (w)	966	mm	± 5,0
Radius of bends (r)	3	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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 EN 14782:2006

OVERLAP DETAIL

SECTION 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	1,20	0,60	0,70	0,75	0,80	1,00	1,20
2,50	144	170	183	195			144	170	183	195		
2,75	108	128	137	147	185		108	128	137	147	185	
3,00	83	98	106	113	143	173	83	98	106	113	143	173
3,25	66	77	83	89	112	136	66	77	83	89	112	136
3,50	52	62	67	71	90	109	52	62	67	71	90	109

 SPAN (m)	POSITIVE LOADS						NEGATIVE LOADS					
	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
3,25	112	132	142	151	191		157	186	200			
3,50	97	114	122	131	165	198	126	149	160	171		
3,75	84	99	106	114	143	173	102	121	130	139	176	
4,00	74	87	93	100	126	152	84	100	107	115	145	175
4,25	65	77	83	89	112	134	70	83	89	96	121	146
4,50	58	69	74	79	100	120	59	70	75	80	102	123
4,75	50	59	64	68	86	104	50	59	64	68	86	104
5,00		51	55	59	74	90		51	55	59	74	90

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