

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)	6,12	6,80	7,28	7,92	9,71	11,65
I _g (cm ⁴ /ml)	12,656	14,157	15,230	16,302	20,593	24,883
W ₁ (cm ³ /ml)	6,349	7,101	7,638	8,175	10,322	12,466
W ₂ (cm ³ /ml)	5,259	5,883	6,330	6,776	8,563	10,351

GEOMETRICAL CHARACTERISTICS

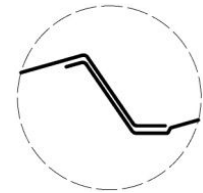
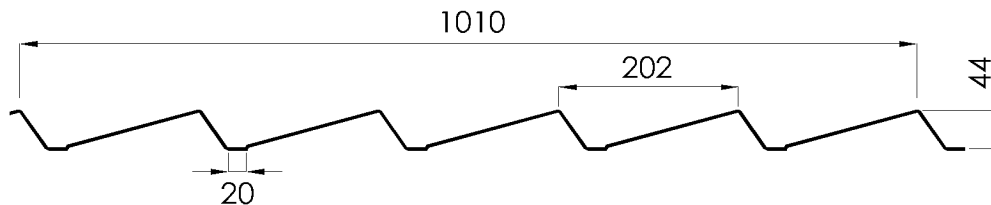
CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	44	mm	± 1,0
Depth of stiffeners	---	mm	---
Pitch	202	mm	± 2,0
Widths of crown and valley (b ₁ , b ₂)	(---, 22)	mm	+2,0/-1,0
Cover width (w)	1.010	mm	± 5,0
Radius of bends (r)	3	mm	+ 2,0 / 0,0
Deviation from straightness (δ)	≤ tolerance	mm	2,0 / 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⁾		

⁽¹⁾ Maximum length: 16.990 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	1,20	0,60	0,70	0,75	0,80	1,00	1,20
2,25	87	94	101	108	137	164	86	93	100	107	136	163
2,50	61	66	71	76	97	116	61	66	71	76	96	115
2,75	44	48	52	55	70	84	44	48	51	55	70	84
3,00	32	35	38	41	52	62	32	35	38	40	51	61
3,25	---	---	---	30	38	46	---	---	---	30	38	46

 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
2,25	187	202	216	231	290	348	217	235	252	270	343	412
2,50	150	162	174	186	234	281	156	169	182	195	247	296
2,75	116	126	135	145	184	221	116	125	135	144	183	220
3,00	88	95	102	110	139	167	87	95	102	109	138	166
3,25	68	73	79	84	107	128	67	73	78	84	107	128
3,50	53	57	62	66	84	101	53	57	61	66	83	100
3,75	42	45	49	52	66	79	41	45	48	52	66	79
4,00	33	36	39	41	53	64	33	36	38	41	52	62

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

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