

**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)**

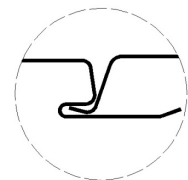
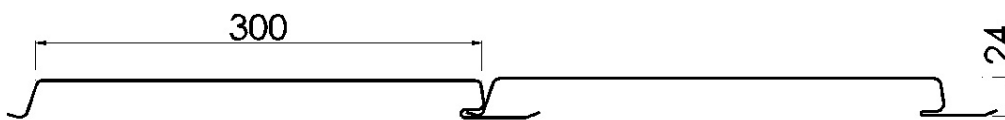
CHARACTERISTIC	STAND. REF.
Dimensional tolerance	EN 10143
Steel	EN 10346
Organic coating	EN 10169

	Thickness (mm)			
	0,70	0,75	1,00	1,20
Weight (kg/m <sup>2</sup> )	7,62	8,16	10,89	13,06
I <sub>g</sub> (cm <sup>4</sup> /ml)	7,025	7,557	10,218	12,346
W1 (cm <sup>3</sup> /ml)	3,647	3,918	5,264	6,328
W2 (cm <sup>3</sup> /ml)	13,110	14,038	18,550	22,015


**GEOMETRICAL CHARACTERISTICS**


CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	24	mm	± 1,0
Depth of stiffeners	---	mm	---
Pitch	---	mm	± 2,0
Widths of crown and valley (b <sub>1</sub> ,b <sub>2</sub> )	(---,---)	mm	+2,0/-1,0
Cover width (w)	300	mm	± 5,0
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. <sup>(1)</sup>	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 <sup>(2)</sup> / Class C-s3,d0 <sup>(3)</sup>		
<sup>(1)</sup> Maximum length: 6.000 mm; Minimum length: 100 mm			
<sup>(2)</sup> Class A1: According to commission decision 2010/737/UE			
<sup>(3)</sup> Class C-s3,d0: According to commission decision 2010/737/UE for Plastisol PVC coating			


 07  
 EN 14782:2006

**OVERLAP DETAIL**

**SECTION DETAIL**

**3D DETAIL**

**LOAD TABLES (daN/m<sup>2</sup>) – 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
1,00	162	174			162	174		
1,25	83	89	121	146	83	89	121	146
1,50		52	70	84		52	70	84
1,75				53				53


 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,50	115	124	168		115	124	168	
1,75	73	78	106	128	73	78	106	128
2,00		52	71	85		52	71	85
2,25				60				60

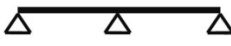
Non authorised thickness.

 For any further clarification, you can contact Technical Department ([tecnico@europafil.com](mailto:tecnico@europafil.com) or by phone).  
 EUROPERFIL, S.A. reserves the right to change this document without notice.


**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**


Perforated across width - R3T8,66 (10,87%)

 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,00	157	169			157	169		
1,25	81	87	117	142	81	87	117	142
1,50		50	68	82		50	68	82
1,75				52				52


 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,50	112	121	163	197	112	121	163	197
1,75	71	76	103	124	71	76	103	124
2,00		51	69	83		51	69	83
2,25				58				58


Perforated across width - R5T8 (35,39%)

 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,00	144	155			144	155		
1,25	74	79	107	130	74	79	107	130
1,50			62	75			62	75

 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,25	177	191			177	191		
1,50	103	110	149	180	103	110	149	180
1,75	65	69	94	113	65	69	94	113
2,00			63	76			63	76
2,25				53				53

Perforated across width - R6T10 (32,62%)

 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,00	146	157			146	157		
1,25	75	80	109	131	75	80	109	131
1,50			63	76			63	76

 SPAN (m)	POSITIVE LOADS				NEGATIVE LOADS			
	Thickness (mm)							
	0,70	0,75	1,00	1,20	0,70	0,75	1,00	1,20
1,25	179	193			179	193		
1,50	104	112	151	182	104	112	151	182
1,75	65	70	95	115	65	70	95	115
2,00			64	77			64	77
2,25				54				54

Non authorised thickness.

 For any further clarification, you can contact Technical Department ([tecnico@euoperfil.com](mailto:tecnico@euoperfil.com) or by phone).  
 EUROPERFIL, S.A. reserves the right to change this document without notice.