

**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)**

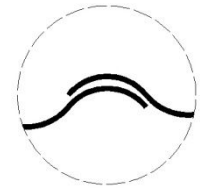
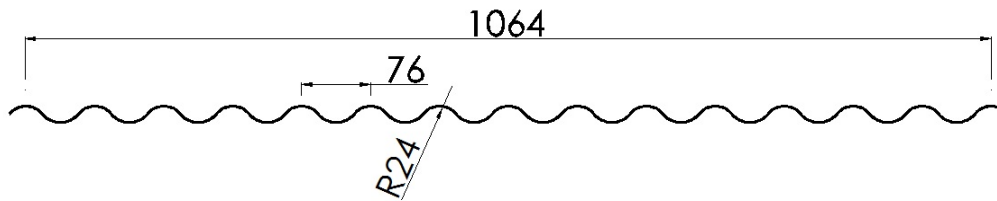
CHARACTERISTIC	STAND. REF.	Thickness (mm)				
		0,60	0,70	0,75	0,80	1,00
Weight (kg/m <sup>2</sup> )		5,81	6,46	6,92	7,38	9,22
l <sub>g</sub> (cm <sup>4</sup> /ml)		2,435	2,723	2,930	3,136	3,961
W1 (cm <sup>3</sup> /ml)		2,705	3,026	3,255	3,485	4,402
W2 (cm <sup>3</sup> /ml)		2,705	3,026	3,255	3,485	4,402

**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 <sub>1</sub> , b <sub>2</sub> )	(---, ---)	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. <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	---
Curve radius and angles	---	°	---
Reaction to fire	Class A1 <sup>(2)</sup> / Class C-s3,d0 <sup>(3)</sup>		

<sup>(1)</sup> Maximum length: 14.000 mm; Minimum length: 1.800 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


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 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)					Thickness (mm)				
	0,60	0,70	0,75	0,80	1,00	0,60	0,70	0,75	0,80	1,00
1,00	196					196				
1,25	101	112	121	129	164	101	112	121	129	164
1,50	58	65	70	75	95	58	65	70	75	95
1,75					60					60

SPAN (m)	POSITIVE LOADS					NEGATIVE LOADS				
	Thickness (mm)					Thickness (mm)				
	0,60	0,70	0,75	0,80	1,00	0,60	0,70	0,75	0,80	1,00
1,50	140	156	168	180		140	156	168	180	
1,75	88	98	106	113	143	88	98	106	113	143
2,00	59	66	71	76	96	59	66	71	76	96
2,25				53	67				53	67


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**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**
**R2T3,5 (29,58%)**

 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	138	155	166	178		138	155	166	178	
1,25	71	79	85	91	115	71	79	85	91	115
1,50				53	67				53	67
1,75										


 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
1,25	170	190				170	190			
1,50	98	110	118	127	160	98	110	118	127	160
1,75	62	69	75	80	101	62	69	75	80	101
2,00				53	68				53	68


**R2T4 (22,65%)**

 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	152	170	183	196		152	170	183	196	
1,25	78	87	94	100	126	78	87	94	100	126
1,50		50	54	58	73		50	54	58	73
1,75										

 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
1,25	187					187				
1,50	108	121	130	139	176	108	121	130	139	176
1,75	68	76	82	88	111	68	76	82	88	111
2,00		51	55	59	74		51	55	59	74
2,25					52					52


**R2.5T20 (1,42%)**


 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	194					194				
1,25	99	111	119	128	161	99	111	119	128	161
1,50	57	64	69	74	93	57	64	69	74	93
1,75					59					59

 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	138	154	166	177		138	154	166	177	
1,75	87	97	104	112	141	87	97	104	112	141
2,00	58	65	70	75	95	58	65	70	75	95
2,25				53	66				53	66


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**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**
**R3T4 (50,96%)**

 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	96	108	116	124	156	96	108	116	124	156
1,25		55	59	63	80		55	59	63	80
1,50										
1,75										


 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
1,25	118	132	142	152	192	118	132	142	152	192
1,50	68	77	82	88	111	68	77	82	88	111
1,75			52	56	70			52	56	70
2,00										


**R3T6 (22,65%)**

 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	152	170	183	196		152	170	183	196	
1,25	78	87	94	100	126	78	87	94	100	126
1,50		50	54	58	73		50	54	58	73
1,75										

 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
1,25	187					187				
1,50	108	121	130	139	176	108	121	130	139	176
1,75	68	76	82	88	111	68	76	82	88	111
2,00		51	55	59	74		51	55	59	74
2,25					52					52


**R3T7 (16,64%)**


 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	164	183	197			164	183	197		
1,25	84	94	101	108	136	84	94	101	108	136
1,50		54	58	62	79		54	58	62	79

 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	116	130	140	150	190	116	130	140	150	190
1,75	73	82	88	94	119	73	82	88	94	119
2,00		55	59	63	80		55	59	63	80
2,25					56					56


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**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**
**R3T8,66 (10,87%)**

 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	175	196				175	196			
1,25	90	100	108	115	146	90	100	108	115	146
1,50	52	58	62	67	84	52	58	62	67	84
1,75					53					53


 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	125	139	150	160		125	139	150	160	
1,75	78	88	94	101	128	78	88	94	101	128
2,00	53	59	63	68	85	53	59	63	68	85
2,25					60					60


**R3T10,5 (7,40%)**

 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	182					182				
1,25	93	104	112	120	151	93	104	112	120	151
1,50	54	60	65	69	88	54	60	65	69	88
1,75					55					55


 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	129	145	156	167		129	145	156	167	
1,75	81	91	98	105	133	81	91	98	105	133
2,00	55	61	66	70	89	55	61	66	70	89
2,25					62					62


**R4T7 (29,58%)**

 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	138	155	166	178		138	155	166	178	
1,25	71	79	85	91	115	71	79	85	91	115
1,50				53	67				58	67
1,75										


 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
1,25	170	190				170	190			
1,50	98	110	118	127	160	98	110	118	140	160
1,75	62	69	75	80	101	62	69	75	88	101
2,00				53	68				59	68


**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**
**R5T8 (35,39%)**

 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	127	142	153	163		127	142	153	163	
1,25	65	73	78	84	106	65	73	78	84	106
1,50					61					61
1,75										


 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
1,25	156	174	188			156	174	188		
1,50	90	101	109	116	147	90	101	109	116	147
1,75	57	64	68	73	92	57	64	68	73	92
2,00					62					62


**R6T10 (32,62%)**

 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	132	148	159	170		132	148	159	170	
1,25	68	76	81	87	110	68	76	81	87	110
1,50				50	64				50	64
1,75										

 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
1,25	163	182	196			163	182	196		
1,50	94	105	113	121	153	94	105	113	121	153
1,75	59	66	71	76	96	59	66	71	76	96
2,00				51	65				51	65


**R6T12 (22,65%)**


 Luz VANO (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	152	170	183	196		152	170	183	196	
1,25	78	87	94	100	126	78	87	94	100	126
1,50		50	54	58	73		50	54	58	73
1,75										

 Luz VANO (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
1,25	187					187				
1,50	108	121	130	139	176	108	121	130	139	176
1,75	68	76	82	88	111	68	76	82	88	111
2,00		51	55	59	74		51	55	59	74

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**PERFORATED STEEL**
**LOAD TABLES (daN/m<sup>2</sup>) – Limitation of deflection: L/200**
**R9T13 (43,42%)**

 Luz VANO (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	111	124	134	143	181	111	124	134	143	181
1,25	57	64	68	73	92	57	64	68	73	92
1,50					54					54
1,75										

 Luz VANO (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
1,25	137	153	164	176		137	153	164	176	
1,50	79	88	95	102	129	79	88	95	102	129
1,75		56	60	64	81		56	60	64	81
2,00					54					54

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