Roof Decking Profile (4.202.67)

EUROBASE 67 CD

SCOPE

Self-supporting roofing product for discontinuous laying 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	0,80	0,88	1,00	1,20
Weight (kg/m2)	8,48	9,09	9,69	10,66	12,11	14,54
I_g (cm⁴/ml)	63,778	68,609	73,441	81,172	92,768	112,094
W_1 (cm³/ml)	14,207	15,282	16,358	18,078	20,658	24,956
W_2 (cm³/ml)	28,848	31,037	33,226	36,731	41,989	50,760

GEOMETRICAL CHARACTERISTICS

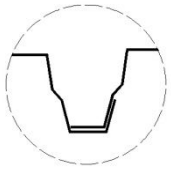
CHARACTERISTIC	VALUE	UNIT	TOLERANCE
Depth of profile (h)	67	mm	± 1,5
Depth of stiffeners	4	mm	± 1,0
Pitch	202,5	mm	± 3,0
Widths of crown and valley (b_1,b_2)	(30,132,5)	mm	+2,0/-1,0
Cover width (w)	810	mm	± h/10 (max.: 15 mm)
Radius of bends (r)	---	mm	+ 2,0 / 0,0
Deviation from straighteness (δ)	≤ tolerance	mm	2,0 /m (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 lenght: 14.000 mm; Minimum length: 1.200 mm			
(2) Class A1: According to commission decision 96/603/CE			
(3)Class C-s3,d0: According to commission decision 2010/737/UE for Plastisol PVC coating			

CE

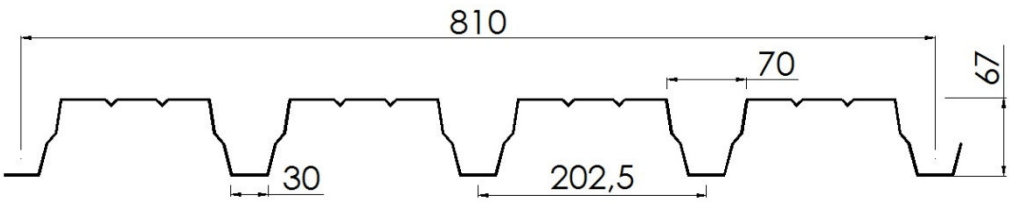
07

EN 14782:2006

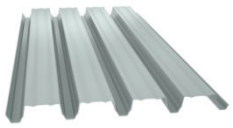
OVERLAP DETAIL



SECTION DETAIL



3D DETAIL



EXPERIMENTALS CHARACTERISTICS

In accordance with tests based on the standard NF P 34-503 controlled by BUREAU VERITAS (DEM 7 91 344 02).

		Thickness (mm)					
Moments		0,70	0,75	0,80	0,88	1,00	1,20
Bending M. - Concentrated load (m·daN / m)	MC	279,53	299,50	319,47	351,41	399,33	479,20
M. of inertia - Simple beam (cm4 / m)	I2	61,10	65,46	69,83	76,81	87,28	104,74
M. of inertia - Two equal spans (cm4 / m)	I3	52,09	55,81	59,53	65,48	74,41	89,29
M. of inertia - Continuous beam (cm4 / m)	Im	56,59	60,64	64,68	71,15	80,85	97,02
Bending M. – At beam – Sist. Elast. (m·daN / m)	M2T	417,02	446,26	475,51	522,31	592,50	709,48
Bending M. – At beam – Sist. Elast.-Plast. (m·daN / m)	M3T	490,84	525,07	559,30	614,07	696,23	833,15
Bending M. – At support (m·daN / m)	M3A	364,95	390,18	415,42	455,80	516,38	617,33

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PERMISSIBLE SPAN (m) – Limitation of deflection: L/200

In accordance with French standard NF P 84-206 (DTU 43.3)

Variable actions (kN/m²)	Permanent actions (kN/m²)												
		Thickness (mm)											
		0,70	0,75	0,80	0,88	1,00	1,20	0,70	0,75	0,80	0,88	1,00	1,20
1,00	0,15	3,26	3,49	3,56	3,68	3,84	4,08	4,38	4,48	4,58	4,73	4,93	5,18
	0,20	3,26	3,46	3,53	3,64	3,80	4,04	4,34	4,44	4,54	4,69	4,89	5,18
	0,25	3,26	3,41	3,49	3,60	3,75	3,99	4,27	4,39	4,48	4,63	4,83	5,13
	1,00	2,87	2,94	3,00	3,10	3,24	3,44	3,42	3,53	3,65	3,82	4,07	4,42
1,25	0,15	3,16	3,24	3,31	3,41	3,56	3,78	4,05	4,16	4,25	4,39	4,58	4,87
	0,25	3,15	3,22	3,29	3,40	3,55	3,77	3,92	4,05	4,18	4,37	4,56	4,84
1,50	0,15	2,98	3,04	3,11	3,21	3,35	3,56	3,75	3,87	4,00	4,13	4,31	4,58
	0,25	2,98	3,04	3,11	3,21	3,35	3,56	3,64	3,77	3,89	4,07	4,31	4,58
	1,20	2,61	2,67	2,73	2,82	2,94	3,12	2,96	3,06	3,15	3,30	3,52	3,85
1,75	0,15	2,83	2,89	2,96	3,05	3,18	3,38	3,50	3,62	3,74	3,91	4,09	4,35
	0,25	2,83	2,89	2,96	3,05	3,18	3,38	3,42	3,53	3,65	3,82	4,07	4,35
2,00	0,15	2,70	2,77	2,83	2,92	3,04	3,24	3,30	3,41	3,52	3,69	3,91	4,16
	0,25	2,70	2,77	2,83	2,92	3,04	3,24	3,23	3,34	3,45	3,61	3,84	4,16

Equally spaced supports in continuous beams, with a maximum diference between adjacent span lower than 20%, in accordance with DTU 43.3.

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