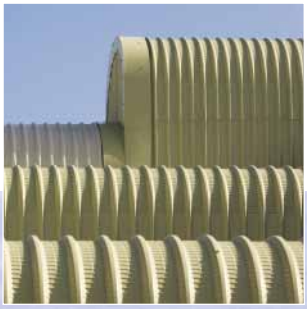
CI/SfB (47) Nh2
October 2008

Roof cladding profiles

Technical specifications

EUROCLAD


Cardiff Audi



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Introduction

Euroclad is one of the UK's leading manufacturers of steel and aluminium roof and wall cladding systems, with a wealth of manufacturing experience. Core products, including Elite Systems with their specified performance, low pitch roof systems and LINEAR façades are all popular with clients, architects and contractors.

Founded in 1981 Euroclad has taken huge strides over more than 25 years, consistently investing in people and technology to satisfy customer needs and maintain its position at the forefront of the metal roofing and cladding industry.

As part of its commitment to quality, service and the environment, Euroclad operates a Quality Management System approved to BS EN ISO 9001:2000 and an Environmental Management System approved to BS EN ISO 14001:2004. Recommended gauges for roof applications are: 0.7mm steel and 0.9mm aluminium.

As a key part of Euroclad's wider product range, Euroclad roofing profiles provide high quality, cost effective solutions coupled with ease of installation. As a result of the extensive range of options available, Euroclad roofing profiles can be adapted to fit almost any roof application.

A full range of coatings and colours are available for the roof profiles, a number of which are identified as particularly suitable for roof applications. These tend to be the lighter colours, which are less subject to fade and reduce the movement of the sheet caused by temperature changes. This is also true for vertical cladding; however, in this case, the aesthetic criteria can take precedence with the choice of colour. The load/span tables detailed in this brochure are provided to assist in the selection of the most suitable profile for your specific needs.

For curved eaves and ridge details, all profiles can be adapted to fit most specifications and 'barrel vault' self curving roofs may be accommodated subject to the profile type and curve radius.

The continuous length of sheets is only limited by the practicalities of handling and transportation. However, the on-site production capabilities of Euroseam and Secret fix systems overcome most size limitations, with sheets up to 125m having been rolled on-site.

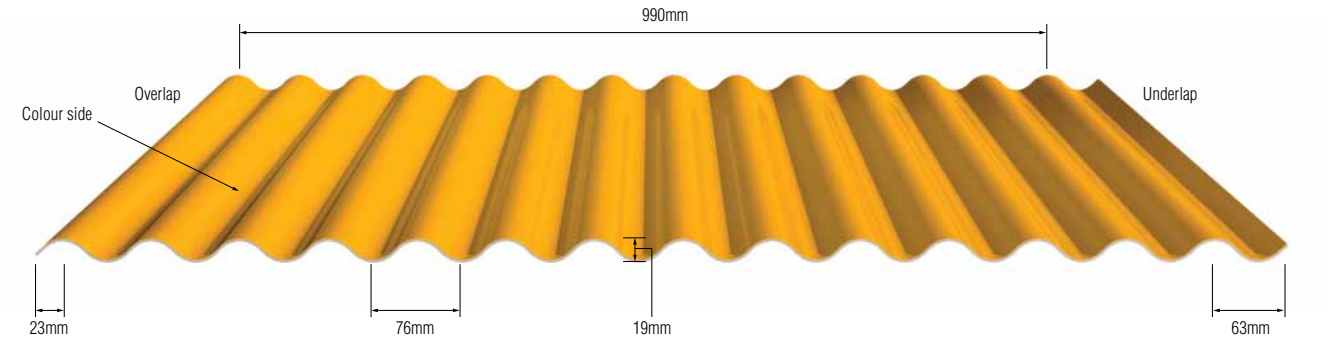
All Euroclad profiles are handed with specific side lap details and, in order to achieve the optimum quality, these must be identified and installed correctly. Our on-site experts are available to aid with any queries you may have when selecting the right product for your needs.

Rooflights are also available to match, or complement, all profiles in translucent sheet or barrel vault systems.

CE Euroclad has recently been accredited with CE Marking to BS EN 14782 for its roofing profiles manufactured from Corus Colorcoat® pre-finished steel, conforming to the most respected European product standard. For more information visit cemark.euroclad.com.

If you have any queries regarding any aspect of Euroclad roofing profiles, please contact the sales office on **029 2079 0722** or visit **www.euroclad.com**

EC 13½/3 Steel



Dimension details

Cover width	914mm
Profile pitch	76mm
Profile depth	19mm
Overlap (left as shown above)	23mm (from top dead centre)
Underlap (right as shown above)	63mm (from bottom dead centre)

Weight per linear metre

0.7mm	6.753 kgs
0.9mm	8.682 kgs

Curving: Corrugated profile can be curved to a minium radius of 2m.

13½/3 steel. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

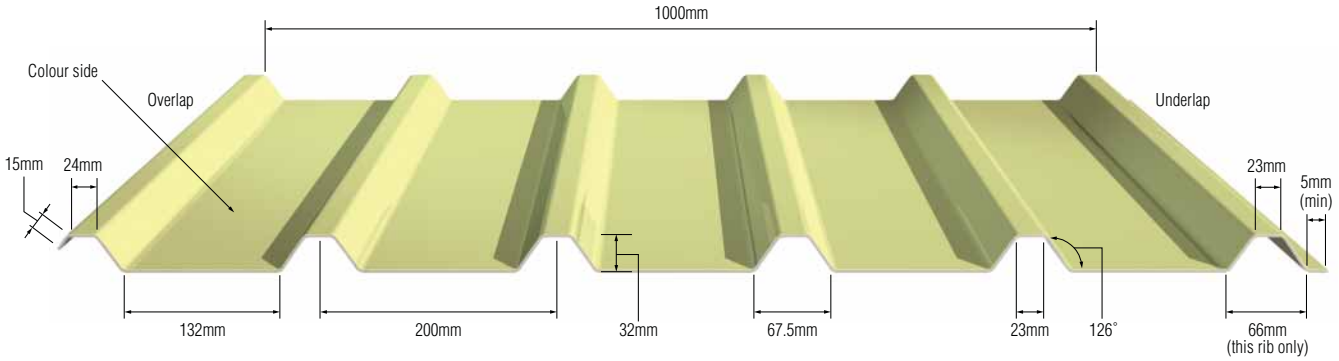
			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
GRAVITY	Single span	0.7mm	2.33	1.75	1.35	1.06	0.85	0.69	0.57	0.48	0.40	0.34	0.29	0.25	0.22	0.19	0.17	0.15	0.13
	Double span	0.7mm	3.73	2.92	2.25	1.77	1.42	1.15	0.95	0.79	0.67	0.57	0.49	0.42	0.37	0.32	0.28	0.25	0.22
	Multi span	0.7mm	3.89	2.92	2.25	1.77	1.42	1.15	0.95	0.79	0.67	0.57	0.49	0.42	0.37	0.32	0.28	0.25	0.22
	Single span	0.9mm	2.96	2.22	1.71	1.35	1.08	0.88	0.72	0.60	0.51	0.43	0.37	0.32	0.28	0.24	0.21	0.19	0.17
	Double span	0.9mm	4.73	3.70	2.85	2.24	1.80	1.46	1.20	1.00	0.84	0.72	0.62	0.53	0.46	0.40	0.36	0.32	0.28
	Multi span	0.9mm	4.93	3.70	2.85	2.24	1.80	1.46	1.20	1.00	0.84	0.72	0.62	0.53	0.46	0.40	0.36	0.32	0.28

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
UPLIFT	Single span	0.7mm	2.33	1.75	1.35	1.06	0.85	0.69	0.57	0.48	0.40	0.34	0.29	0.25	0.22	0.19	0.17	0.15	0.13
	Single span	0.7mm	3.73	2.92	2.25	1.77	1.42	1.15	0.95	0.79	0.67	0.57	0.49	0.42	0.37	0.32	0.28	0.25	0.22
	Single span	0.7mm	3.89	2.92	2.25	1.77	1.42	1.15	0.95	0.79	0.67	0.57	0.49	0.42	0.37	0.32	0.28	0.25	0.22
	Single span	0.9mm	2.96	2.22	1.71	1.35	1.08	0.88	0.72	0.60	0.51	0.43	0.37	0.32	0.28	0.24	0.21	0.19	0.17
	Single span	0.9mm	4.73	3.70	2.85	2.24	1.80	1.46	1.20	1.00	0.84	0.72	0.62	0.53	0.46	0.40	0.36	0.32	0.28
	Single span	0.9mm	4.93	3.70	2.85	2.24	1.80	1.46	1.20	1.00	0.84	0.72	0.62	0.53	0.46	0.40	0.36	0.32	0.28

Tables calculated by the SCI to EN 1993-1-3 (Eurocode E3)

MW5R Steel



Dimension details

Cover width	1,000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	67.5mm
Web	39mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	5mm (minimum)

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.7mm	6.753 kgs
0.9mm	8.646 kgs

MW5R steel. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
GRAVITY	Single span	0.7mm	5.49	4.54	3.81	3.25	2.80	2.44	2.15	1.80	1.52	1.29	1.11	0.96	0.83	0.73	0.64	0.57	0.50
	Double span	0.7mm	3.11	2.68	2.34	2.07	1.83	1.64	1.48	1.34	1.22	1.11	1.02	0.94	0.87	0.80	0.75	0.70	0.65
	Multi span	0.7mm	3.70	3.21	2.81	2.48	2.21	1.98	1.78	1.62	1.47	1.35	1.24	1.14	1.05	0.98	0.91	0.85	0.79
	Single span	0.9mm	7.16	5.92	4.97	4.24	3.65	3.18	2.80	2.35	1.98	1.68	1.44	1.25	1.09	0.95	0.84	0.74	0.66
	Double span	0.9mm	4.58	3.94	3.43	3.01	2.66	2.38	2.13	1.92	1.75	1.59	1.46	1.34	1.23	1.14	1.06	0.99	0.92
	Multi span	0.9mm	5.50	4.74	4.13	3.63	3.22	2.87	2.58	2.33	2.12	1.94	1.77	1.63	1.51	1.39	1.29	1.20	1.10

Load factor (working load to ultimate) = 1.5

			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
UPLIFT	Single span	0.7mm	4.76	3.93	3.30	2.81	2.43	2.01	1.66	1.38	1.16	0.99	0.85	0.73	0.64	0.56	0.49	0.43	0.39
	Single span	0.7mm	3.34	2.89	2.54	2.24	2.00	1.79	1.62	1.47	1.34	1.22	1.12	1.04	0.96	0.89	0.82	0.72	0.64
	Single span	0.7mm	3.97	3.45	3.03	2.68	2.39	2.15	1.94	1.76	1.61	1.48	1.36	1.22	1.06	0.93	0.82	0.72	0.64
	Single span	0.9mm	6.40	5.29	4.44	3.79	3.27	2.75	2.27	1.89	1.59	1.36	1.16	1.00	0.87	0.76	0.67	0.60	0.53
	Single span	0.9mm	4.88	4.21	3.67	3.23	2.86	2.56	2.30	2.08	1.89	1.72	1.58	1.45	1.34	1.24	1.12	0.99	0.88
	Single span	0.9mm	5.84	5.04	4.40	3.88	3.45	3.09	2.78	2.52	2.29	2.09	1.92	1.67	1.46	1.27	1.12	0.99	0.88

Tables calculated by the SCI to EN 1993-1-3 (Eurocode E3)

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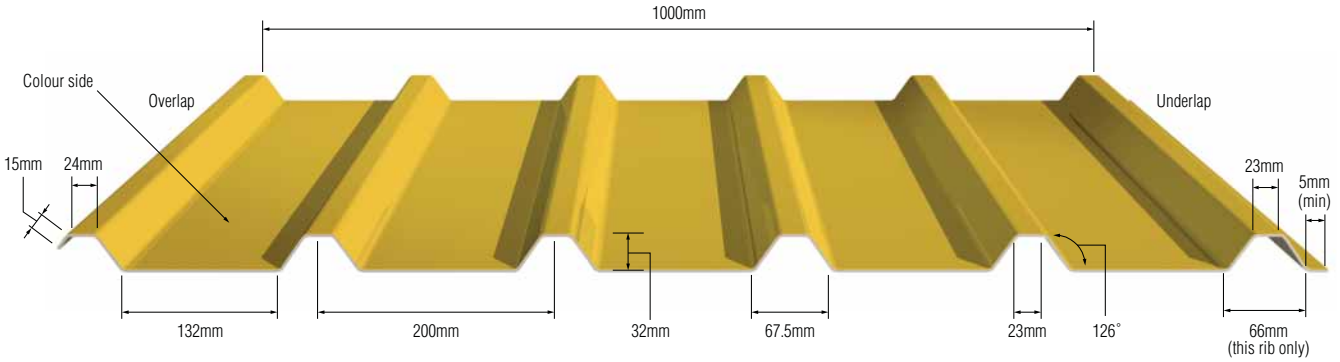
MW5R Aluminium



Dimension details

Cover width	1,000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	67.5mm
Web	39mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	5mm (minimum)

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.9mm – one side coated	3.039 kg/linear m

MW5R aluminium. Load/Span tables – working load UDL (kN/m^2)

Load factor (working load to ultimate) = 1.5

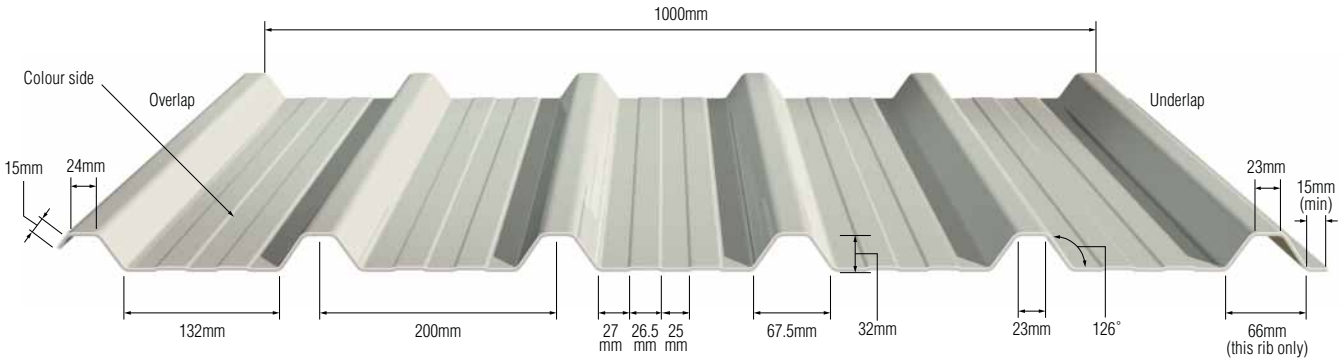
			Span (m)																
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
GRAVITY	Single span	0.9mm	3.59	2.70	2.08	1.63	1.31	1.06	0.88	0.73	0.62	0.52	0.45	0.39	0.34	0.29	0.26	0.23	0.20
	Double span	0.9mm	2.40	2.07	1.80	1.58	1.40	1.24	1.11	1.00	0.90	0.82	0.75	0.65	0.56	0.49	0.43	0.38	0.34
	Multi span	0.9mm	2.86	2.48	2.17	1.91	1.69	1.51	1.35	1.22	1.03	0.87	0.75	0.65	0.56	0.49	0.43	0.38	0.34

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
UPLIFT	Single span	0.9mm	2.70	2.03	1.56	1.23	0.98	0.80	0.66	0.55	0.46	0.39	0.34	0.29	0.25	0.22	0.20	0.17	0.15
	Double span	0.9mm	2.57	2.23	1.95	1.72	1.53	1.33	1.10	0.91	0.77	0.66	0.56	0.49	0.42	0.37	0.33	0.29	0.26
	Multi span	0.9mm	3.05	2.66	2.33	2.05	1.64	1.33	1.10	0.91	0.77	0.66	0.56	0.49	0.42	0.37	0.33	0.29	0.26

Tables calculated by the SCI to EN 1999-1-4 (Eurocode EC9)

MW5RS Steel



Dimension details

Cover width	1,000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	67.5mm
Web	39mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	5mm (minimum)

Tolerance on all dimensions as per BS EN 508 – 2 : 2000.

Weight per linear metre

0.7mm	6.753 kgs
0.9mm	8.646 kgs

MW5RS steel. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

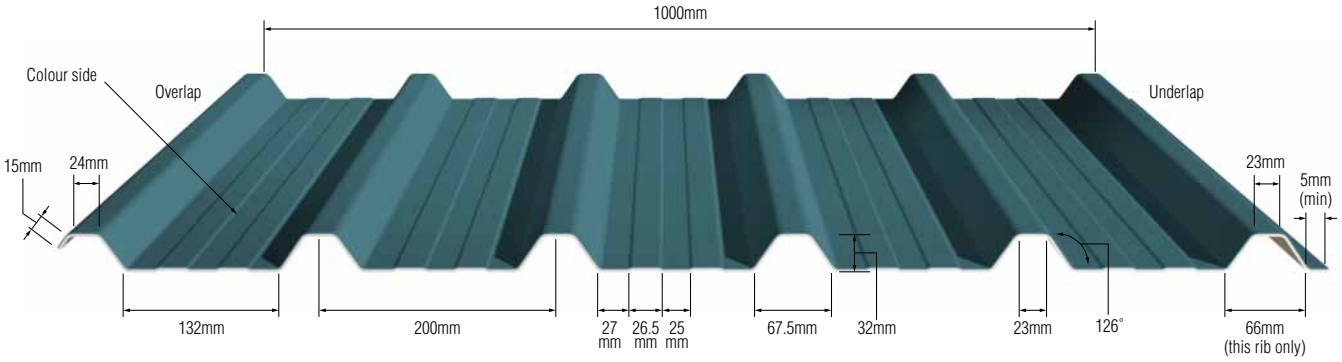
			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
GRAVITY	Single span	0.7mm	5.43	4.49	3.77	3.21	2.77	2.41	2.12	1.77	1.49	1.27	1.09	0.94	0.82	0.72	0.63	0.56	0.50
	Double span	0.7mm	3.28	2.84	2.49	2.20	1.96	1.75	1.58	1.43	1.31	1.20	1.10	1.01	0.94	0.87	0.81	0.75	0.70
	Multi span	0.7mm	3.91	3.39	2.97	2.63	2.35	2.11	1.90	1.73	1.58	1.44	1.33	1.23	1.13	1.05	0.98	0.92	0.83
	Single span	0.9mm	7.08	5.85	4.91	4.19	3.61	3.15	2.76	2.31	1.94	1.65	1.42	1.22	1.06	0.93	0.82	0.73	0.65
	Double span	0.9mm	4.82	4.15	3.62	3.18	2.82	2.52	2.26	2.04	1.86	1.69	1.55	1.43	1.32	1.22	1.13	1.05	0.98
	Multi span	0.9mm	5.76	4.98	4.34	3.83	3.40	3.04	2.74	2.48	2.25	2.06	1.89	1.74	1.60	1.49	1.37	1.21	1.08

Load factor (working load to ultimate) = 1.5

			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
UPLIFT	Single span	0.7mm	5.31	4.39	3.69	3.14	2.71	2.36	2.02	1.68	1.42	1.21	1.03	0.89	0.78	0.68	0.60	0.53	0.47
	Double span	0.7mm	3.32	2.88	2.52	2.23	1.98	1.78	1.60	1.45	1.33	1.21	1.11	1.03	0.95	0.88	0.82	0.77	0.72
	Multi span	0.7mm	3.95	3.43	3.01	2.67	2.38	2.14	1.93	1.75	1.60	1.46	1.35	1.24	1.15	1.07	1.00	0.88	0.78
	Single span	0.9mm	6.99	5.78	4.86	4.14	3.57	3.11	2.70	2.25	1.89	1.61	1.38	1.19	1.04	0.91	0.80	0.71	0.63
	Double span	0.9mm	4.85	4.18	3.64	3.20	2.84	2.54	2.28	2.06	1.87	1.71	1.57	1.44	1.33	1.23	1.14	1.06	0.99
	Multi span	0.9mm	5.80	5.01	4.37	3.86	3.42	3.06	2.76	2.50	2.27	2.07	1.90	1.75	1.62	1.50	1.33	1.18	1.05

Tables calculated by the SCI to EN 1993-1-3 (Eurocode E3)

MW5RS Aluminium



Dimension details

Cover width	1,000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	67.5mm
Web	39mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	5mm (minimum)

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.9mm – one side coated	3.039 kgs

MW5RS aluminium. Load/Span tables – working load UDL (kN/m^2)

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
GRAVITY	Single span	0.9mm	3.55	2.67	2.06	1.62	1.30	1.05	0.87	0.72	0.61	0.52	0.44	0.38	0.33	0.29	0.26	0.23	0.20
	Double span	0.9mm	2.45	2.11	1.84	1.62	1.43	1.27	1.14	1.03	0.93	0.84	0.74	0.64	0.56	0.49	0.43	0.38	0.34
	Multi span	0.9mm	2.91	2.53	2.21	1.95	1.73	1.54	1.39	1.21	1.02	0.86	0.74	0.64	0.56	0.49	0.43	0.38	0.34

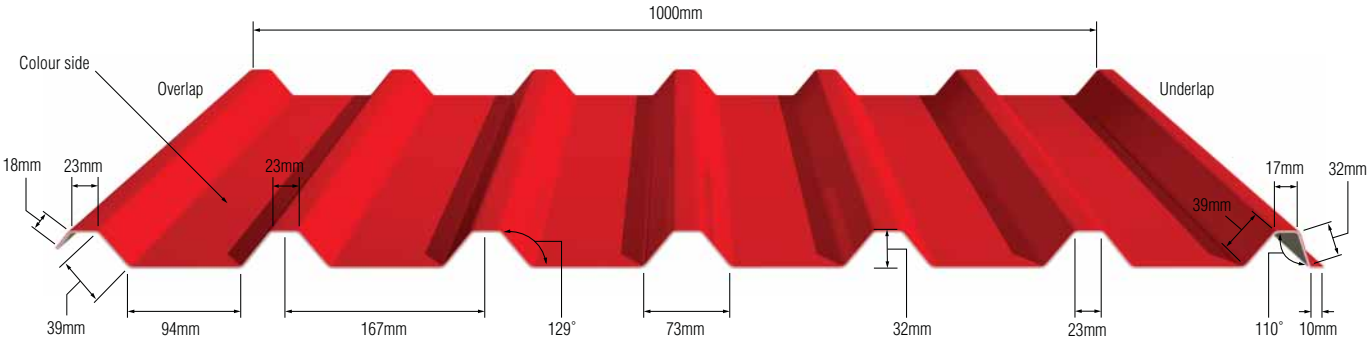
Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
UPLIFT	Single span	0.9mm	2.79	2.10	1.62	1.27	1.02	0.83	0.68	0.57	0.48	0.41	0.35	0.30	0.26	0.23	0.20	0.18	0.16
	Double span	0.9mm	2.56	2.22	1.95	1.72	1.52	1.36	1.14	0.95	0.80	0.68	0.58	0.50	0.44	0.38	0.34	0.30	0.27
	Multi span	0.9mm	3.04	2.65	2.33	2.06	1.70	1.38	1.14	0.95	0.80	0.68	0.58	0.50	0.44	0.38	0.34	0.30	0.27

Tables calculated by the SCI to EN 1999-1-4 (Eurocode EC9)

CE ASSESSED

32/1000 Forward Steel



Dimension details

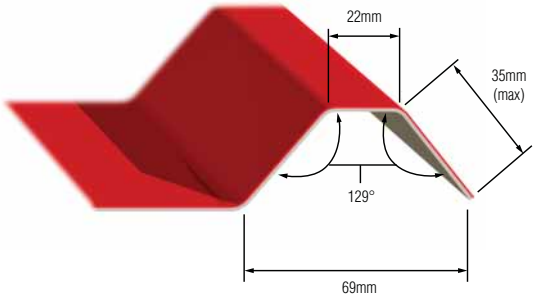
Cover width	1,000mm
Profile pitch	167mm
Profile depth	32mm
Crown width	23mm
Valley width	94mm
Rib width	73mm
Web	35mm
Overlap (left as shown above)	12mm (minimum)
Underlap (right as shown above right)	12mm

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.7mm	6.753 kgs
0.9mm	8.682 kgs

32/1000 Forward Special underlap detail



32/1000 1F forward steel. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
GRAVITY	Single span	0.7mm	6.49	5.36	4.50	3.84	3.31	2.87	2.37	1.97	1.66	1.41	1.21	1.05	0.91	0.80	0.70	0.62	0.55
	Double span	0.7mm	3.72	3.22	2.81	2.48	2.20	1.97	1.78	1.61	1.46	1.34	1.23	1.13	1.04	0.97	0.90	0.84	0.78
	Multi span	0.7mm	4.44	3.84	3.37	2.97	2.65	2.37	2.14	1.94	1.77	1.62	1.49	1.37	1.27	1.18	1.09	1.02	0.92
	Single span	0.9mm	8.45	6.99	5.87	5.00	4.31	3.74	3.08	2.57	2.17	1.84	1.58	1.36	1.19	1.04	0.91	0.81	0.72
	Double span	0.9mm	5.50	4.73	4.11	3.61	3.20	2.85	2.56	2.31	2.10	1.91	1.75	1.61	1.49	1.37	1.28	1.19	1.11
	Multi span	0.9mm	6.59	5.68	4.95	4.36	3.86	3.45	3.10	2.81	2.55	2.33	2.13	1.96	1.81	1.68	1.52	1.35	1.20

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
UPLIFT	Single span	0.7mm	5.76	4.76	4.00	3.41	2.86	2.32	1.91	1.59	1.34	1.14	0.98	0.85	0.74	0.64	0.57	0.50	0.45
	Double span	0.7mm	3.95	3.42	3.00	2.65	2.36	2.12	1.91	1.73	1.58	1.44	1.33	1.22	1.13	1.05	0.94	0.84	0.74
	Multi span	0.7mm	4.70	4.08	3.58	3.17	2.83	2.54	2.30	2.09	1.90	1.74	1.60	1.41	1.23	1.07	0.94	0.84	0.74
	Single span	0.9mm	7.74	6.40	5.38	4.58	3.91	3.18	2.62	2.18	1.84	1.56	1.34	1.16	1.01	0.88	0.78	0.69	0.61
	Double span	0.9mm	5.77	4.98	4.34	3.81	3.38	3.02	2.72	2.46	2.23	2.04	1.87	1.72	1.58	1.47	1.29	1.14	1.02
	Multi span	0.9mm	6.90	5.96	5.21	4.59	4.08	3.65	3.28	2.97	2.70	2.47	2.23	1.93	1.68	1.47	1.29	1.14	1.02

Tables calculated by the SCI to EN 1993-1-3 (Eurocode E3)

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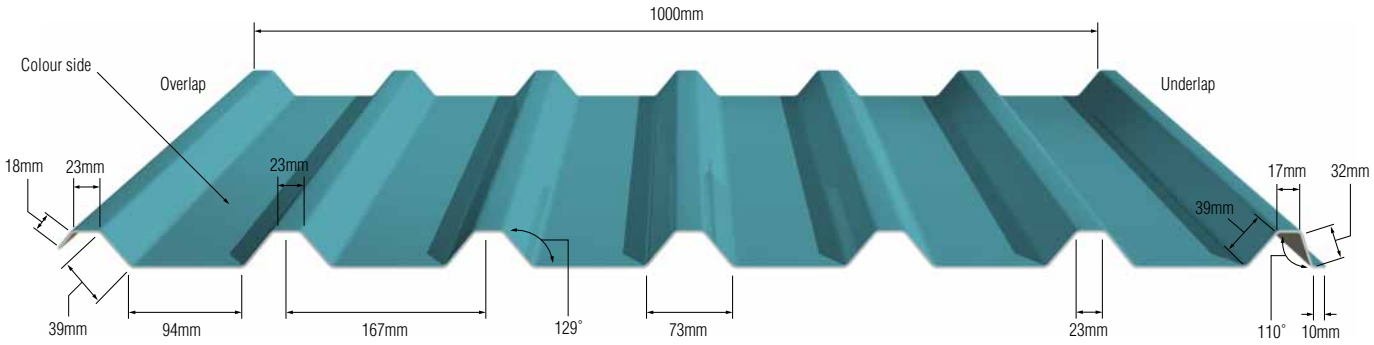
32/1000 Forward Aluminium



Dimension details

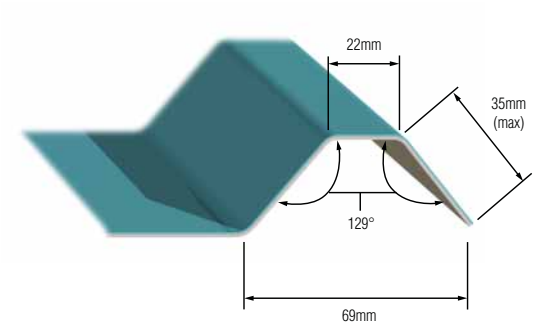
Cover width	1,000mm
Profile pitch	167mm
Profile depth	32mm
Crown width	23mm
Valley width	94mm
Rib width	73mm
Web	40mm
Overlap (left as shown above)	12mm
Underlap (right as shown above right)	12mm (minimum)

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.9mm – one side coated	3.039 kgs

32/1000 Forward Special underlap detail



32/1000 1F Forward aluminium. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

			Span (m)																
GRAVITY	**L/200**	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
	Single span	0.9mm	3.92	2.95	2.27	1.79	1.43	1.16	0.96	0.80	0.67	0.57	0.49	0.42	0.37	0.32	0.28	0.25	0.22
	Double span	0.9mm	2.88	2.49	2.16	1.90	1.68	1.49	1.34	1.20	1.09	0.95	0.82	0.71	0.61	0.54	0.47	0.42	0.37
	Multi span	0.9mm	3.43	2.98	2.60	2.29	2.03	1.81	1.60	1.33	1.12	0.95	0.82	0.71	0.61	0.54	0.47	0.42	0.37

Load factor (working load to ultimate) = 1.5

			Span (m)																
UPLIFT	**L/200**	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
	Single span	0.9mm	3.11	2.34	1.80	1.42	1.13	0.92	0.76	0.63	0.53	0.45	0.39	0.34	0.29	0.26	0.23	0.20	0.18
	Double span	0.9mm	3.04	2.64	2.31	2.04	1.81	1.54	1.27	1.06	0.89	0.76	0.65	0.56	0.49	0.43	0.38	0.33	0.30
	Multi span	0.9mm	3.60	3.14	2.76	2.36	1.89	1.54	1.27	1.06	0.89	0.76	0.65	0.56	0.49	0.43	0.38	0.33	0.30

Tables calculated by the SCI to EN 1999-1-4 (Eurocode EC9)

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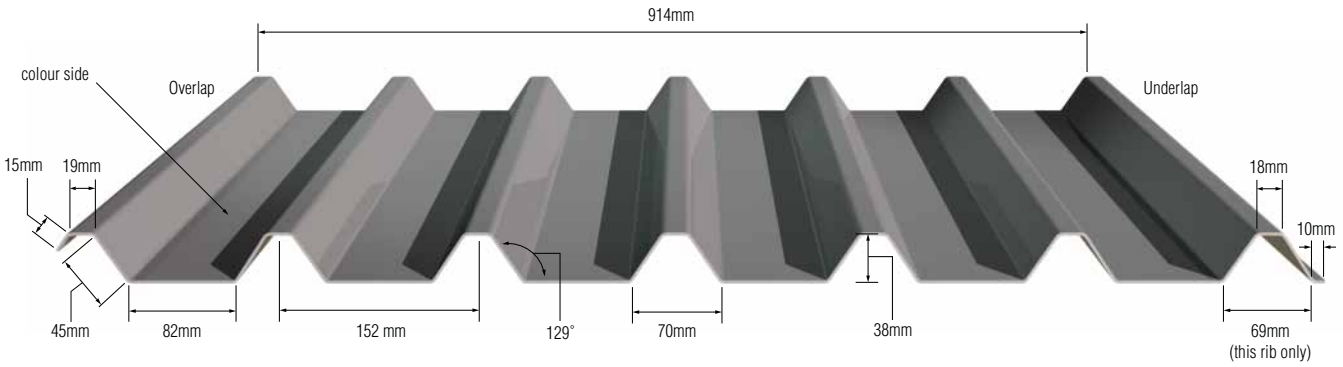
38/914mm Forward Steel



Dimension details

Cover width	914mm
Profile pitch	152mm
Profile depth	38mm
Crown width	19mm
Valley width	82mm
Rib width	70mm
Web	46mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	10mm

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.7mm	6.725 kgs
0.9mm	8.646 kgs

38/914mm forward steel. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

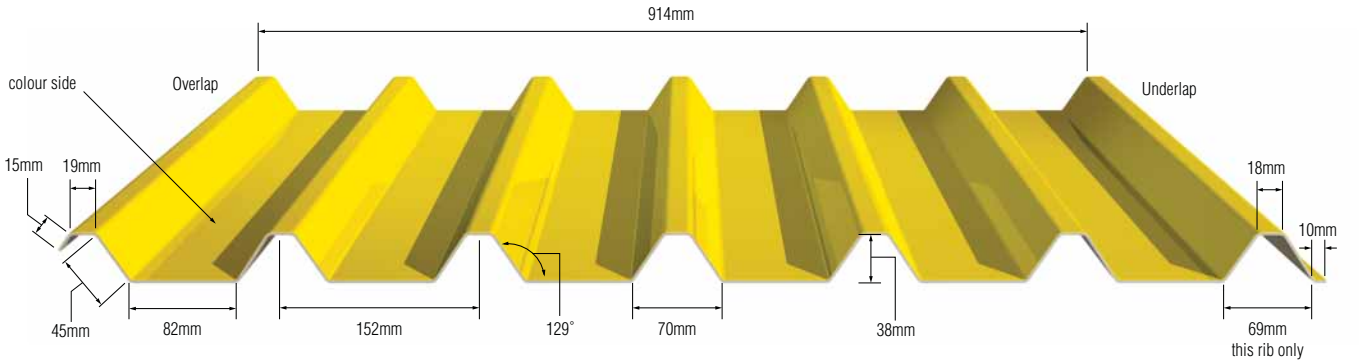
			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
GRAVITY	Single span	0.7mm	8.07	6.67	5.61	4.78	4.12	3.59	3.15	2.79	2.40	2.04	1.75	1.51	1.31	1.15	1.01	0.90	0.80
	Double span	0.7mm	4.39	3.81	3.34	2.95	2.63	2.35	2.12	1.93	1.76	1.61	1.48	1.36	1.26	1.17	1.09	1.02	0.95
	Multi span	0.7mm	5.22	4.54	3.98	3.53	3.15	2.83	2.55	2.32	2.12	1.94	1.78	1.65	1.53	1.42	1.32	1.23	1.15
	Single span	0.9mm	10.52	8.70	7.31	6.23	5.37	4.68	4.11	3.64	3.13	2.66	2.28	1.97	1.71	1.50	1.32	1.17	1.04
	Double span	0.9mm	6.53	5.63	4.91	4.33	3.84	3.43	3.09	2.79	2.54	2.32	2.12	1.95	1.80	1.67	1.55	1.45	1.35
	Multi span	0.9mm	7.80	6.75	5.90	5.20	4.62	4.14	3.73	3.37	3.07	2.81	2.58	2.37	2.19	2.03	1.89	1.76	1.65

Load factor (working load to ultimate) = 1.5

			Span (m)															
	L/200	**Thickness**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**	**1.70**	**1.80**	**1.90**	**2.00**	**2.10**	**2.20**	**2.30**	**2.40**	**2.50**	**2.60**
UPLIFT	Single span	0.7mm	7.21	5.96	5.01	4.27	3.68	3.20	2.82	2.37	2.00	1.70	1.45	1.26	1.09	0.96	0.84	0.74	0.66
	Double span	0.7mm	4.63	4.03	3.54	3.13	2.80	2.51	2.27	2.06	1.88	1.73	1.59	1.47	1.36	1.26	1.18	1.10	1.03
	Multi span	0.7mm	5.50	4.79	4.21	3.74	3.34	3.01	2.72	2.48	2.26	2.08	1.91	1.77	1.64	1.53	1.40	1.24	1.10
	Single span	0.9mm	9.70	8.02	6.74	5.74	4.95	4.31	3.79	3.24	2.73	2.32	1.99	1.72	1.49	1.31	1.15	1.02	0.90
	Double span	0.9mm	6.82	5.89	5.15	4.54	4.03	3.61	3.25	2.94	2.68	2.45	2.25	2.07	1.91	1.77	1.65	1.53	1.43
	Multi span	0.9mm	8.13	7.04	6.17	5.45	4.85	4.35	3.92	3.55	3.24	2.96	2.72	2.51	2.32	2.15	1.92	1.70	1.51

Tables calculated by the SCI to EN 1993-1-3 (Eurocode E3)

38/914mm Forward Aluminium



Dimension details

Cover width	914mm
Profile pitch	152mm
Profile depth	38mm
Crown width	19mm
Valley width	82mm
Rib width	70mm
Web	46mm
Overlap (left as shown above)	15mm
Underlap (right as shown above right)	10mm

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.9mm – one side coated	3.039 kgs

38/914mm Forward aluminium. Load/Span tables – working load UDL (kN/m²)

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
GRAVITY	Single Span	0.9mm	5.56	4.33	3.33	2.62	2.10	1.71	1.41	1.17	0.99	0.84	0.72	0.62	0.54	0.47	0.42	0.37	0.33
	Double Span	0.9mm	3.39	2.95	2.58	2.27	2.02	1.80	1.62	1.46	1.32	1.20	1.10	1.01	0.90	0.79	0.69	0.61	0.55
	Multi Span	0.9mm	4.02	3.51	3.08	2.73	2.43	2.18	1.96	1.77	1.61	1.40	1.20	1.04	0.90	0.79	0.69	0.61	0.55

Load factor (working load to ultimate) = 1.5

			Span (m)																
	L/200	Thickness	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
UPLIFT	Single Span	0.9mm	4.62	3.47	2.68	2.11	1.69	1.37	1.13	0.94	0.79	0.67	0.58	0.50	0.43	0.38	0.33	0.30	0.26
	Double Span	0.9mm	3.60	3.15	2.77	2.46	2.19	1.97	1.77	1.57	1.32	1.12	0.96	0.83	0.72	0.63	0.56	0.49	0.44
	Multi Span	0.9mm	4.24	3.72	3.29	2.93	2.62	2.28	1.88	1.57	1.32	1.12	0.96	0.83	0.72	0.63	0.56	0.49	0.44

Tables calculated by the SCI to EN 1999-1-4 (Eurocode EC9)

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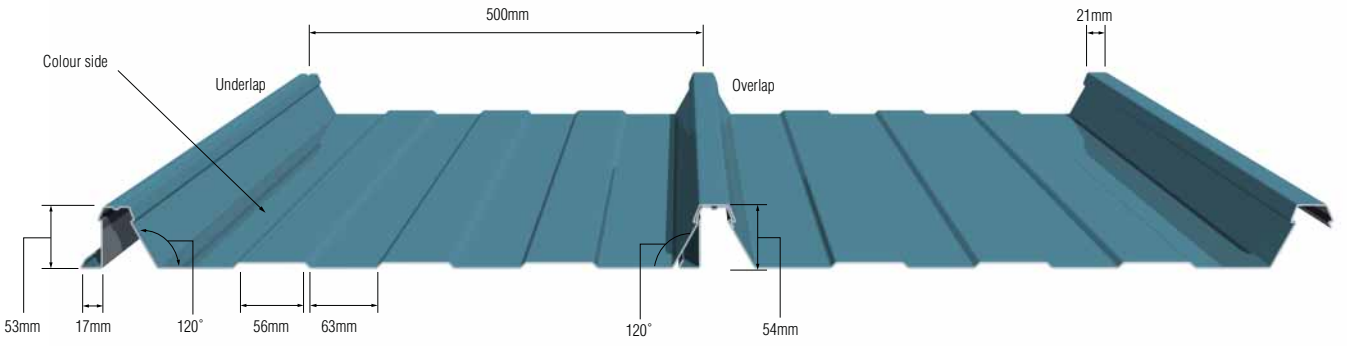
Secret fix SF500 Steel



Dimension details

Cover width	500mm
Profile depth	53mm
Crown width	21mm
Valley width	63mm
Overlap (left as shown above)	17mm
Underlap (right as shown above right)	17mm

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.7mm	3.815 kgs

Secret fix SF500 steel. Load/Span tables

Loads in kn/m^2 double/multispan for 0.7mm thickness

Span (m)		1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
New Imposed	Factor 1.6	4.75	4.48	4.15	3.92	3.65	3.38	3.11	2.91	2.70	2.43	2.22
New Suction	Factor 1.4	4.27	4.00	3.62	3.11	2.70	2.25	2.11	1.98	1.84	1.75	1.63
New Imposed	Factor 2.0	3.80	3.58	3.32	3.13	2.92	2.71	2.49	2.33	2.16	1.95	1.78
New Suction	Factor 2.0	2.99	2.80	2.53	2.18	1.89	1.58	1.47	1.38	1.29	1.23	1.14

Note: Imposed Deflection Limit = L/250 Weight per linear metre = 3.870 KGS (0.7mm)
Suction Deflection Limit = L/150 Weight per square metre = 7.741 KGS (0.7mm)

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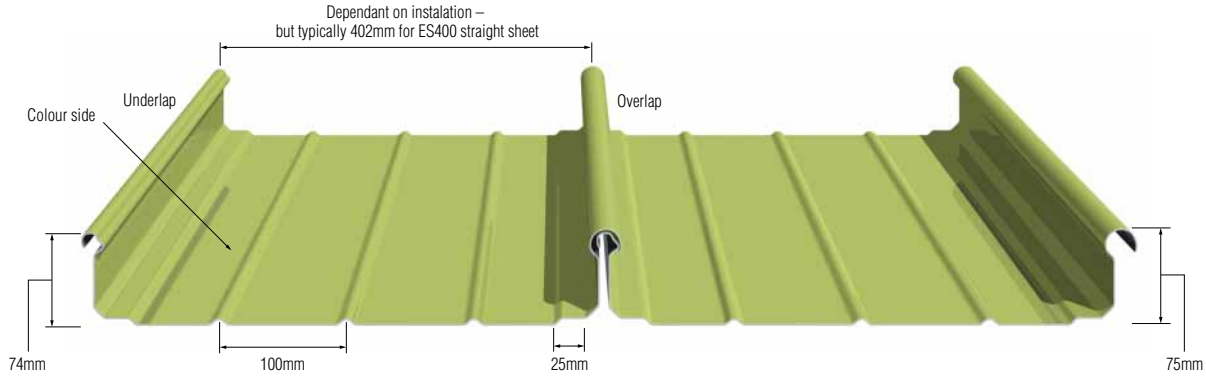
Euroseam Aluminium



Dimension details

Cover width	300, 400 or 500mm
Profile depth	75mm

Tolerance on all dimensions as per BS EN 508 – 2 : 2000

Weight per linear metre

0.9mm ES400*	1.45kgs

* Available in Stucco Embossed Plainmill, low sheen PVDF and ARS coating.

Euroseam ESA400 0.9mm aluminium. Load/Span tables

Profile data	Moment capacity (kNm/m)	3.64	Moment of inertia (cm⁴/m)	13.66	Reaction capacity (kN/m)	6.3		
	Maximum load (kN/m²)							
	Imposed		Snow drift		Wind (+VE)		Wind (-VE)		
Span (m)	Stress	Deflection	Stress	Deflection	Stress	Deflection	Stress	Deflection	Reaction
1.00	21.247	8.694	32.376	8.694	24.323	19.350	24.316	19.398	2.768
1.10	17.557	6.526	26.753	6.526	20.106	14.532	20.099	14.580	2.517
1.20	14.750	5.021	22.476	5.021	16.898	11.188	16.891	11.236	2.309
1.30	12.566	3.944	19.148	3.944	14.402	8.795	14.395	8.843	2.132
1.40	10.833	3.153	16.507	3.153	12.421	7.037	12.415	7.085	1.981
1.50	9.435	2.559	14.377	2.559	10.824	5.717	10.817	5.765	1.849
1.60	8.290	2.105	12.633	2.105	9.516	4.706	9.509	4.754	1.734
1.70	7.342	1.751	11.188	1.751	8.432	3.920	8.425	3.968	1.633
1.80	6.547	1.471	9.977	1.471	7.524	3.298	7.517	3.346	1.543
1.90	5.875	1.247	8.952	1.247	6.755	2.801	6.748	2.849	1.462
2.00	5.300	1.066	8.077	1.066	6.099	2.398	6.092	2.446	1.390
2.10	4.806	0.917	7.324	0.917	5.534	2.068	5.527	2.116	1.324
2.20	4.378	0.795	6.671	0.795	5.044	1.796	5.038	1.844	1.265

1. The loads indicated in the left hand column are the applied imposed, snowdrift or wind (+ ve or - ve) excluding dead load
2. The ultimate load factors for bending stress for Dead + Imposed are: 1.0 gk + 1.6 qk
3. The ultimiate load factors for bending stress for Dead + Snowdrift are: 1.0 gk + 1.05 qk
4. The ultimate load factors for bending stress for Dead + Wind (+ ve) are: 1.4 gk + 1.4 we
5. The ultimate load factors for bending stress for Dead + Wind (-ve) are: 1.0 gk - 1.4 we
6. The ultimate load factors for halter pull-off for Dead + Wind (-ve) are: 1.0 gk - 2.0 we
7. The deflection limitations for Dead + Imposed & Dead + Snowdrift are: L/200
8. The deflection limitations for Dead + Wind (+ve) & Dead + Wind (-ve) are: L/90

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Offers the most comprehensive guarantee for pre-finished steel products in Europe and provides peace of mind for up to 40 years. Unlike other guarantees, Confidex® covers cut edges for the entirety of the guarantee period and does not require mandatory annual inspections.

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Offers the first CarbonNeutral building envelope in the world. It provides a combined guarantee which covers the durability of the Colorcoat® pre-finished steel product and guarantees to offset unavoidable CO_2 emissions from the pre-finished steel and Colorcoat® assessed cladding system, including fixings and insulation, from cradle to cradle. More than just offsetting, the aim is to encourage specification of the most sustainable pre-finished steel products and cladding systems.

Colorcoat® Building Manual

Developed in consultation with architects and other construction professionals, the Colorcoat® Building manual incorporates over 40 years of Colorcoat® expertise. It contains information about sustainable development and the creation of a sustainable specification.

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Working closely with the Corus Colorcoat® Centre for the Building Envelope based at Oxford Brookes University and the Steel Construction Institute, Corus has produced a number of Technical Papers. These address key construction issues such as the creation of an airtight building envelope and end of life options for pre-finished steel cladding systems.

For more information about Corus Colorcoat® products and services visit www.colorcoat-online.com or call the Colorcoat Connection® helpline on +44 (0)1244 892434.

Corus Colorcoat HPS200® and Colorcoat Prisma® pre-finished steel in Blue, Sirius and Goosewing Grey.

Corus Colorcoat HPS200® pre-finished steel in Goosewing Grey.

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