

EUROCLAD



Roofing profiles

Technical
specifications



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Introduction

Euroclad roofing profiles provide high quality, cost effective solutions, coupled with ease of installation, and lend themselves to almost any roof application.

This brochure deals extensively with trapezoidal profiles, for use with roof pitches greater than or equal to 5°. If a design pitch is less than 5° we recommend the use of the SF500 Secret Fix system (for steel), which has been specifically designed for such applications. The SF500 Secret Fix system has its own section in the 'Euroclad cladding' brochure.

The load/span tables are provided to assist in the selection of the most suitable profile. A full range of PVC and Prisma colours are available for the trapezoidal roof profiles, but there are a number 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, but the aesthetic criteria tend to take precedence with the choice of colour. For a statement on life expectancy on a particular product, in a known environment, please refer to the section on Coating Specification.

For curved eaves and ridge details, all the trapezoidal profiles can be curved and 'barrel vault' self curving roofs may be accommodated subject to the profile dependant on the profile type and curve radius.

The length of the trapezoidal profiles are only limited by the practical problems of handling and transportation. It must be noted, however, that these limitations can be overcome if the on-site rolling capabilities of the SF500 Secret Fix system (for steel), are employed.

All Euroclad profiles are handed with specific sidelap details. Therefore, it is imperative that these are identified and installed correctly.

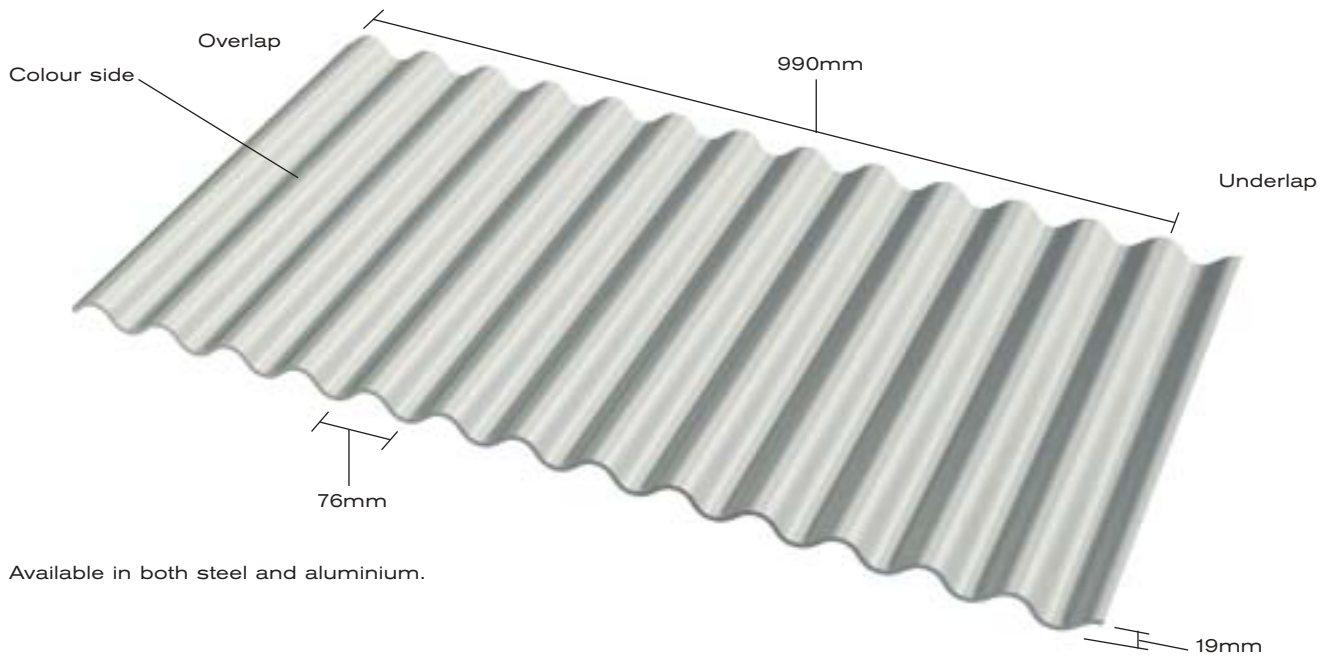
Rooflights are available to match, or complement, all profiles in either translucent sheets, or barrel vault type systems.

The trapezoidal roof profiles illustrated in this brochure may also be used for vertical applications, however, the vertical profiles found in the Cladding Profiles section cannot be used for roof applications.

The information necessary for specifying and installing the trapezoidal profiles is available in the 'Manufacturers recommendations' brochure . The SF500 Secret Fix system has its own unique requirement. Please see the 'Euroclad SF500 Secret Fix' Brochure.



EC 13¹/₂/₃



Available in both steel and aluminium.

Curving

Corrugated profile can be curved to almost infinite radii with a minimum length of 2m.

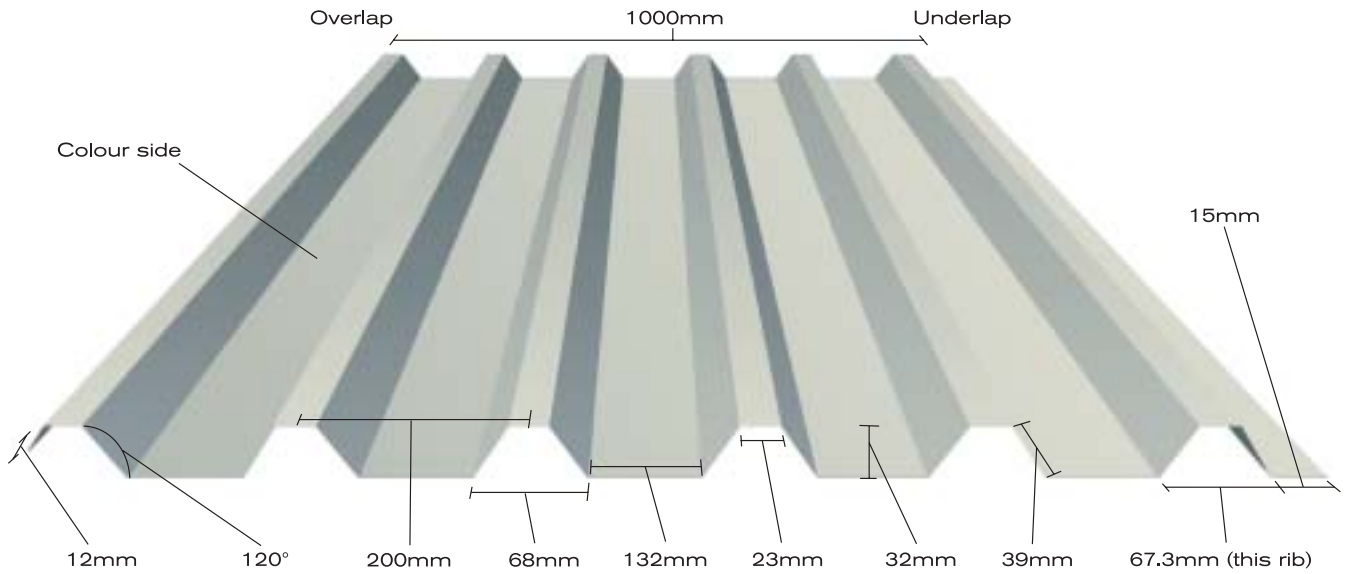
For radii under 2m please contact the Euroclad technical department.

Dimension details	
Cover width	990mm
Profile pitch	76mm
Profile depth	19mm
Underlap (right as shown above)	19mm (from bottom dead centre)
Overlap (left as shown above)	19mm (from top dead centre)

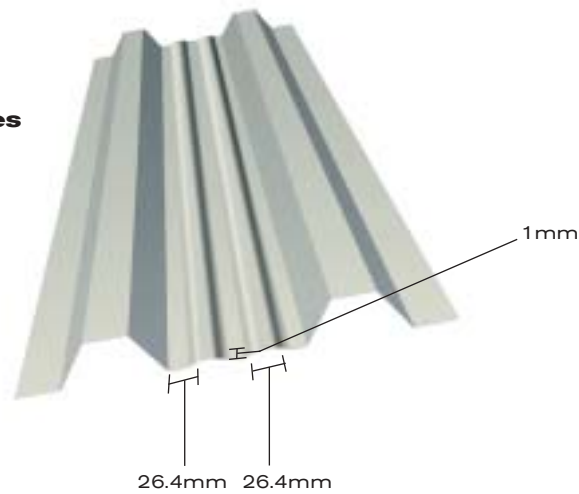
Weight per linear metre	
0.5mm	4.823 kgs
0.55mm	5.306 kgs
0.7mm	6.753 kgs
0.9mm	8.682 kgs

Load/Span deflection <L/200							
t mm	Span (m) condition	Maximum loads (dead and super) in kN/m ²					
		1.2	1.4	1.6	1.8	2.0	2.2
0.55	▲▲	1.18	0.74	–	–	–	–
0.70	▲▲▲	1.53	0.97	0.65	–	–	–
0.90	▲▲▲▲	1.97	1.24	0.83	–	–	–
t mm	Span condition	Maximum loads (dead and super) in kN/m ²					
		1.2	1.4	1.6	1.8	2.0	2.2
0.55	▲▲▲	1.97	1.24	0.82	–	–	–
0.70	▲▲▲▲	2.56	1.61	1.08	0.76	–	–
0.90	▲▲▲▲▲	3.29	2.07	1.39	0.98	0.71	–

MW5R - Steel



MW5RS with swages



Dimension details	
Cover width	1000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	68mm
Web	39mm
Overlap (left as shown above)	12mm
Underlap (right as shown above)	15mm (minimum)

Weight per linear metre	
0.5 mm	4.823 kgs
0.7 mm	6.753 kgs
0.9 mm	8.646 kgs

Tolerance on all dimensions as per BS EN 508 - 1 : 2000

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	2.04	2.59	21.17	45.79
0.7	1.59	1.73	16.466	29.37
0.5	1.09	1.02	11.37	16.15

Profile ref: MW5R
Profile type: Steel

Single span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	5.81	4.80	4.04	3.44	2.97	2.58	2.27	2.01	1.79	1.61	1.45	1.32	1.20	1.10	1.01	0.93	0.86
	Inertia	8.95	6.72	5.18	4.07	3.26	2.65	2.19	1.82	1.53	1.30	1.12	0.97	0.84	0.74	0.65	0.57	0.51
	Reaction	21.53	19.58	17.94	16.56	15.38	14.36	13.46	12.67	11.96	11.33	10.77	10.25	9.79	9.36	8.97	8.61	8.28
	Limiting	5.81	4.80	4.04	3.44	2.97	2.58	2.19	1.82	1.53	1.30	1.12	0.97	0.84	0.74	0.65	0.57	0.51
0.7mm	Moment	8.48	7.01	5.89	5.02	4.33	3.77	3.31	2.93	2.62	2.35	2.12	1.92	1.75	1.60	1.47	1.36	1.25
	Inertia	12.96	9.74	7.50	5.90	4.72	3.84	3.16	2.64	2.22	1.89	1.62	1.40	1.22	1.07	0.94	0.83	0.74
	Reaction	39.16	35.60	32.63	30.12	27.97	26.11	24.48	23.04	21.76	20.61	19.58	18.65	17.80	17.03	16.32	15.66	15.06
	Limiting	8.48	7.01	5.89	5.02	4.33	3.77	3.16	2.64	2.22	1.89	1.62	1.40	1.22	1.07	0.94	0.83	0.74
0.9mm	Moment	10.88	8.99	7.56	6.44	5.55	4.84	4.25	3.76	3.36	3.01	2.72	2.47	2.25	2.06	1.89	1.74	1.61
	Inertia	16.67	12.52	9.64	7.59	6.07	4.94	4.07	3.39	2.86	2.43	2.08	1.80	1.57	1.37	1.21	1.07	0.95
	Reaction	61.05	55.50	50.88	46.96	43.61	40.70	38.16	35.91	33.92	32.13	30.53	29.07	27.75	26.54	25.44	24.42	23.48
	Limiting	10.88	8.99	7.56	6.44	5.55	4.84	4.07	3.39	2.86	2.43	2.08	1.80	1.57	1.37	1.21	1.07	0.95

Double span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	5.44	4.50	3.78	3.22	2.78	2.42	2.13	1.88	1.68	1.51	1.36	1.23	1.12	1.03	0.94	0.87	0.80
	Inertia	21.56	16.20	12.48	9.81	7.86	6.39	5.26	4.39	3.70	3.14	2.70	2.33	2.02	1.77	1.56	1.38	1.23
	Reaction	13.46	12.23	11.22	10.35	9.61	8.97	8.41	7.92	7.48	7.08	6.73	6.41	6.12	5.85	5.61	5.38	5.18
	Interaction	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.18	1.09	1.02	0.95
	Limiting	4.75	4.09	3.55	3.12	2.76	2.42	2.13	1.88	1.68	1.51	1.36	1.23	1.12	1.03	0.94	0.87	0.80
0.7mm	Moment	9.23	7.63	6.41	5.46	4.71	4.10	3.60	3.19	2.85	2.56	2.31	2.09	1.91	1.74	1.60	1.48	1.36
	Inertia	31.22	23.46	18.07	14.21	11.38	9.25	7.62	6.36	5.35	4.55	3.90	3.37	2.93	2.57	2.26	2.00	1.78
	Reaction	24.48	22.25	20.40	18.83	17.48	16.32	15.30	14.40	13.60	12.88	12.24	11.65	11.13	10.64	10.20	9.79	9.41
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	8.47	7.27	6.31	5.46	4.71	4.10	3.60	3.19	2.85	2.56	2.31	2.09	1.91	1.74	1.60	1.48	1.36
0.9mm	Moment	13.81	11.42	9.59	8.17	7.05	6.14	5.40	4.78	4.26	3.83	3.45	3.13	2.85	2.61	2.40	2.21	2.04
	Inertia	40.14	30.16	23.23	18.27	14.63	11.89	9.80	8.17	6.88	5.85	5.02	4.33	3.77	3.30	2.90	2.57	2.28
	Reaction	38.16	34.69	31.80	29.35	27.26	25.44	23.85	22.45	21.20	20.08	19.08	18.17	17.34	16.59	15.90	15.26	14.68
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	12.73	10.91	9.46	8.17	7.05	6.14	5.40	4.78	4.26	3.83	3.45	3.13	2.85	2.61	2.40	2.21	2.04

Load span tables – Design case definitions

1. Moment - This is the ultimate bending moment capacity of the profile under positive or negative loading either at the support or at mid-span.
2. Inertia - This is the moment of inertia or second moment of area of the profile and determines the deflection characteristics at working load within the elastic range.
3. Reaction capacity - This is the capacity of the profile webs to support the concentrated reactions at the supports (either internal or ends - however end supports are normally never critical).
4. Interaction - This is a check to see if the combined bending and web crippling stresses at the internal supports do not exceed the critical stress capacity of the webs (e.g. control of web buckling under concentrated stress).

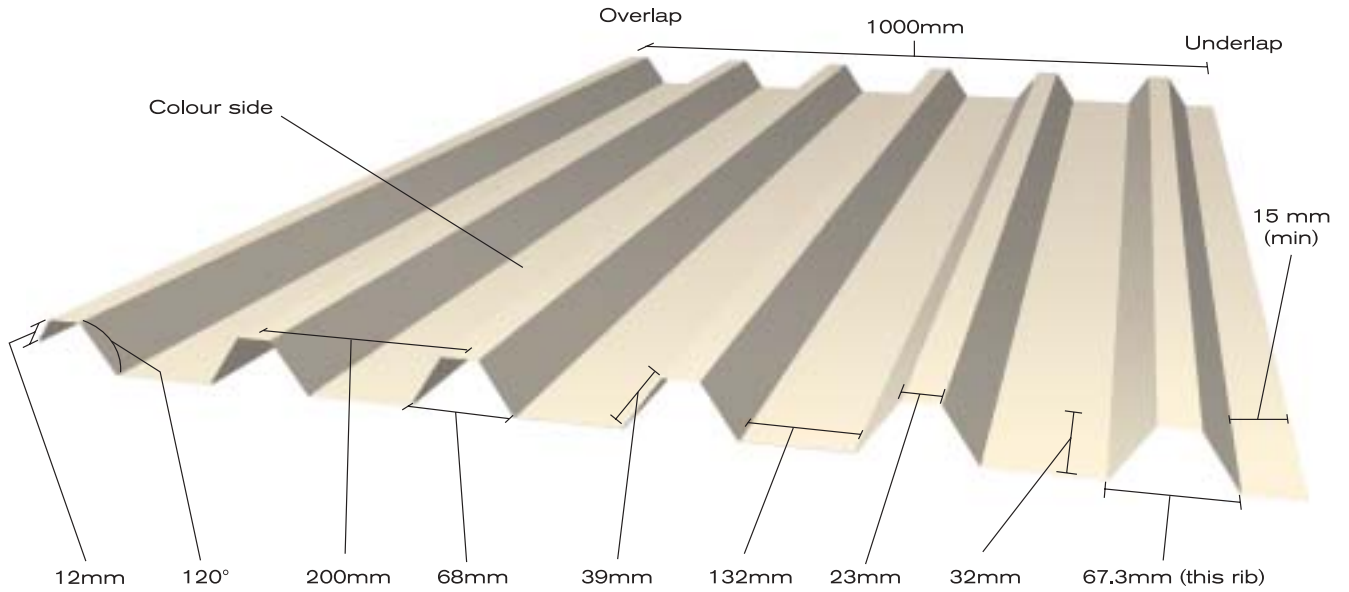
Load span tables information

The M+ve value is the ultimate moment capacity of the profile with the narrow flange in compression and the M-ve value is the ultimate moment capacity of the profile with the broad flange in compression.

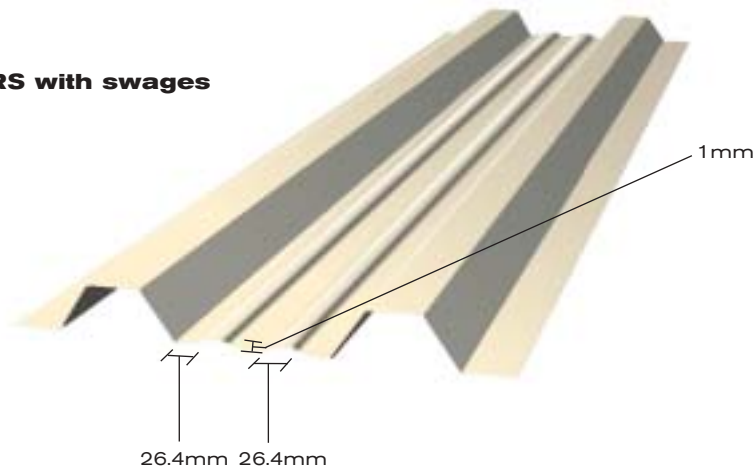
The figures quoted in the load span tables are working loads which have been assessed with a global load factor of 1.5 (dead + imposed combined) for stress.

The limiting value for deflection at working load is compared with the limiting load from the stress consideration and the lowest value is the one published.

MW5R - Aluminium



MW5RS with swages



Dimension details	
Cover width	1000mm
Profile pitch	200mm
Profile depth	32mm
Crown width	23mm
Valley width	132mm
Rib width	68mm
Web	39mm
Overlap (left as shown above)	12mm
Underlap (right as shown above)	15mm (minimum)

Weight per linear metre	
0.7 mm - mill finish	2.338 kgs
0.9 mm - mill finish	3.006 kgs
0.7mm - one side coated	2.363 kgs
0.9 mm - one side coated	3.039 kgs

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

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.09	1.81	20.729	25.65
0.7	1.29	1.24	15.207	16.45

Profile ref: MW5R
Profile type: Aluminium

Single span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	6.88	5.69	4.78	4.07	3.51	3.06	2.69	2.38	2.12	1.91	1.72	1.56	1.42	1.30	1.19	1.10	1.02
	Inertia	4.03	3.03	2.33	1.83	1.47	1.19	0.98	0.82	0.69	0.59	0.50	0.44	0.38	0.33	0.29	0.26	0.23
	Reaction	21.93	19.94	18.28	16.87	15.67	14.62	13.71	12.90	12.19	11.54	10.97	10.44	9.97	9.54	9.14	8.77	8.44
	Limiting	4.03	3.03	2.33	1.83	1.47	1.19	0.98	0.82	0.69	0.59	0.50	0.44	0.38	0.33	0.29	0.26	0.23
0.7mm	Moment	10.13	8.37	7.04	6.00	5.17	4.50	3.96	3.51	3.13	2.81	2.53	2.30	2.09	1.92	1.76	1.62	1.50
	Inertia	5.49	16.09	3.18	2.50	2.00	1.63	1.34	1.12	0.94	0.80	0.69	0.59	0.52	0.45	0.40	0.35	0.31
	Reaction	34.20	31.09	28.50	26.31	24.43	22.80	21.38	20.12	19.00	18.00	17.10	16.29	15.55	14.87	14.25	13.68	13.15
	Limiting	5.49	8.37	3.18	2.50	2.00	1.63	1.34	1.12	0.94	0.80	0.69	0.59	0.52	0.45	0.40	0.35	0.31

Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	6.61	5.47	4.59	3.91	3.37	2.94	2.58	2.29	2.04	1.83	1.65	1.50	1.37	1.25	1.15	1.06	0.98
	Inertia	9.71	7.29	5.62	4.42	3.54	2.88	2.37	1.98	1.66	1.42	1.21	1.05	0.91	0.80	0.70	0.62	0.55
	Reaction	13.71	12.46	11.42	10.54	9.79	9.14	8.57	8.06	7.62	7.21	6.85	6.53	6.23	5.96	5.71	5.48	5.27
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	6.61	5.47	4.59	3.91	3.37	2.88	2.37	1.98	1.66	1.42	1.21	1.05	0.91	0.80	0.70	0.62	0.55
0.7mm	Moment	9.65	7.98	6.70	5.71	4.93	4.29	3.77	3.34	2.98	2.67	2.41	2.19	1.99	1.82	1.68	1.54	1.43
	Inertia	13.23	9.94	7.66	6.02	4.82	3.92	3.23	2.69	2.27	1.93	1.65	1.43	1.24	1.09	0.96	0.85	0.75
	Reaction	21.38	19.43	17.81	16.44	15.27	14.25	13.36	12.57	11.88	11.25	10.69	10.18	9.72	9.29	8.91	8.55	8.22
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	9.65	7.98	6.70	5.71	4.82	3.92	3.23	2.69	2.27	1.93	1.65	1.43	1.24	1.09	0.96	0.85	0.75

Deflection limit under working load = L/100

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.09	1.81	20.729	25.65
0.7	1.29	1.24	15.207	16.45

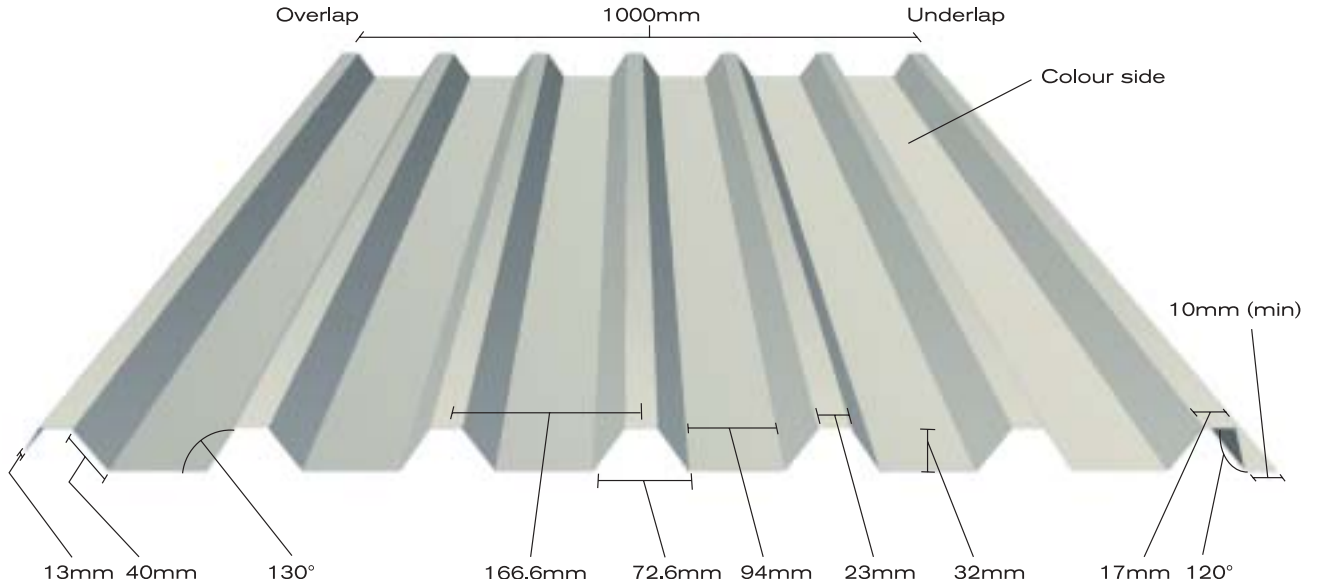
Profile ref: MW5R
Profile type: Aluminium

Single span case – permissible working +ve Loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	6.88	5.69	4.78	4.07	3.51	3.06	2.69	2.38	2.12	1.91	1.72	1.56	1.42	1.30	1.19	1.10	0.98
	Inertia	8.06	6.05	4.66	3.67	2.94	2.39	1.97	1.64	1.38	1.17	1.01	0.87	0.76	0.66	0.58	0.52	0.46
	Reaction	21.93	19.94	18.28	16.87	15.67	14.62	13.71	12.90	12.19	11.54	10.97	10.44	9.97	9.54	9.14	8.77	8.44
	Limiting	6.88	5.69	4.66	3.67	2.94	2.39	1.97	1.64	1.38	1.17	1.01	0.87	0.76	0.66	0.58	0.52	0.46
0.9mm	Moment	10.13	8.37	7.04	6.00	5.17	4.50	3.96	3.51	3.13	2.81	2.53	2.30	2.09	1.92	1.76	1.62	1.50
	Inertia	10.98	32.17	6.36	5.00	4.00	3.25	2.68	2.24	1.88	1.60	1.37	1.19	1.03	0.90	0.79	0.70	0.62
	Reaction	34.20	31.09	28.50	26.31	24.43	22.80	21.38	20.12	19.00	18.00	17.10	16.29	15.55	14.87	14.25	13.68	13.15
	Limiting	10.13	8.37	6.36	5.00	4.00	3.25	2.68	2.24	1.88	1.60	1.37	1.19	1.03	0.90	0.79	0.70	0.62

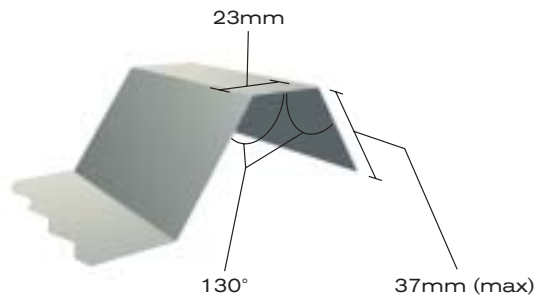
Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60
0.7mm	Moment	6.61	5.47	4.59	3.91	3.37	2.94	2.58	2.29	2.04	1.83	1.65	1.50	1.37	1.25	1.15	1.06	0.98
	Inertia	19.41	14.58	11.23	8.84	7.07	5.75	4.74	3.95	3.33	2.83	2.43	2.10	1.82	1.60	1.40	1.24	1.10
	Reaction	13.71	12.46	11.42	10.54	9.79	9.14	8.57	8.06	7.62	7.21	6.85	6.53	6.23	5.96	5.71	5.48	5.27
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	6.61	5.47	4.59	3.91	3.37	2.94	2.58	2.29	2.04	1.83	1.65	1.50	1.37	1.25	1.15	1.06	0.98
0.9mm	Moment	9.65	7.98	6.70	5.71	4.93	4.29	3.77	3.34	2.98	2.67	2.41	2.19	1.99	1.82	1.68	1.54	1.43
	Inertia	26.46	19.88	15.31	12.04	9.64	7.84	6.46	5.39	4.54	3.86	3.31	2.86	2.49	2.17	1.91	1.69	1.51
	Reaction	21.38	19.43	17.81	16.44	15.27	14.25	13.36	12.57	11.88	11.25	10.69	10.18	9.72	9.29	8.91	8.55	8.22
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	9.65	7.98	6.70	5.71	4.93	4.29	3.77	3.34	2.98	2.67	2.41	2.19	1.99	1.82	1.68	1.54	1.43



1000/32mm forward - Steel



'Special' underlap detail



Dimension details	
Cover width	1000mm
Profile pitch	166.6mm
Profile depth	32mm
Crown width	23mm
Valley width	94mm
Rib width	72.6mm
Web	40mm
Underlap (right as shown above)	10mm
Overlap (left as shown above)	13mm (minimum)
'Special' underlap (right as shown above)	37mm (maximum)

Weight per linear metre	
0.5mm	4.823 kgs
0.7mm	6.753 kgs
0.9mm	8.682 kgs

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

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	leff (mm4/m)	Rcap (kN/m)
0.9	1.82	2.29	17.99	41.21
0.7	1.42	1.55	13.99	26.45
0.5	0.97	0.93	9.69	14.56

Profile ref: 1000/32 forward
Profile type: Steel

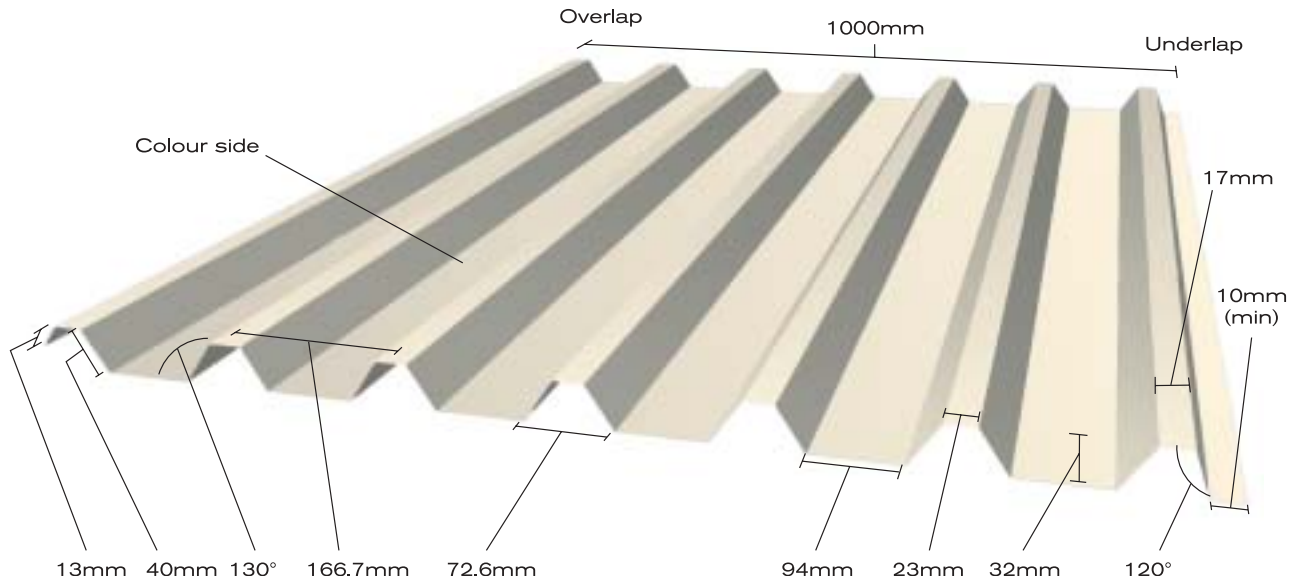
Single span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	5.17	4.28	3.59	3.06	2.64	2.30	2.02	1.79	1.60	1.43	1.29	1.17	1.07	0.98	0.90	0.83	0.77
	Inertia	7.63	5.73	4.41	3.47	2.78	2.26	1.86	1.55	1.31	1.11	0.95	0.82	0.72	0.63	0.55	0.49	0.43
	Reaction	19.41	17.65	16.18	14.93	13.87	12.94	12.13	11.42	10.79	10.22	9.71	9.24	8.82	8.44	8.09	7.77	7.47
	Limiting	5.17	4.28	3.59	3.06	2.64	2.26	1.86	1.55	1.31	1.11	0.95	0.82	0.72	0.63	0.55	0.49	0.43
0.7mm	Moment	7.57	6.26	5.26	4.48	3.86	3.37	2.96	2.62	2.34	2.10	1.89	1.72	1.56	1.43	1.31	1.21	1.12
	Inertia	11.01	8.27	6.37	5.01	4.01	3.26	2.69	2.24	1.89	1.61	1.38	1.19	1.03	0.91	0.80	0.70	0.63
	Reaction	35.27	32.06	29.39	27.13	25.19	23.51	22.04	20.75	19.59	18.56	17.63	16.79	16.03	15.33	14.69	14.11	13.56
	Limiting	7.57	6.26	5.26	4.48	3.86	3.26	2.69	2.24	1.89	1.61	1.38	1.19	1.03	0.91	0.80	0.70	0.63
0.9mm	Moment	9.71	8.02	6.74	5.74	4.95	4.31	3.79	3.36	3.00	2.69	2.43	2.20	2.01	1.83	1.69	1.55	1.44
	Inertia	14.16	10.64	8.20	6.45	5.16	4.20	3.46	2.88	2.43	2.06	1.77	1.53	1.33	1.16	1.02	0.91	0.81
	Reaction	54.95	49.95	45.79	42.27	39.25	36.63	34.34	32.32	30.53	28.92	27.47	26.17	24.98	23.89	22.89	21.98	21.13
	Limiting	9.71	8.02	6.74	5.74	4.95	4.20	3.46	2.88	2.43	2.06	1.77	1.53	1.33	1.16	1.02	0.91	0.81

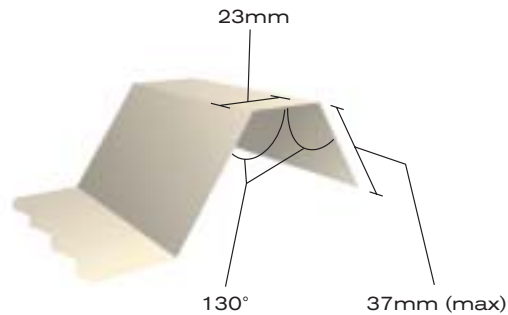
Double span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	4.96	4.10	3.44	2.93	2.53	2.20	1.94	1.72	1.53	1.37	1.24	1.12	1.02	0.94	0.86	0.79	0.73
	Inertia	18.37	13.81	10.63	8.36	6.70	5.44	4.49	3.74	3.15	2.68	2.30	1.98	1.73	1.51	1.33	1.18	1.05
	Reaction	12.13	11.03	10.11	9.33	8.67	8.09	7.58	7.14	6.74	6.39	6.07	5.78	5.52	5.28	5.06	4.85	4.67
	Interaction	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.18	1.09	1.02	0.95
	Limiting	4.75	4.09	3.44	2.93	2.53	2.20	1.94	1.72	1.53	1.37	1.24	1.12	1.02	0.94	0.86	0.79	0.73
0.7mm	Moment	8.27	6.83	5.74	4.89	4.22	3.67	3.23	2.86	2.55	2.29	2.07	1.87	1.71	1.56	1.44	1.32	1.22
	Inertia	26.53	19.93	15.35	12.07	9.67	7.86	6.48	5.40	4.55	3.87	3.32	2.86	2.49	2.18	1.92	1.70	1.51
	Reaction	22.04	20.04	18.37	16.96	15.74	14.69	13.78	12.97	12.25	11.60	11.02	10.50	10.02	9.58	9.18	8.82	8.48
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	8.27	6.83	5.74	4.89	4.22	3.67	3.23	2.86	2.55	2.29	2.07	1.87	1.71	1.56	1.44	1.32	1.22
0.9mm	Moment	12.21	10.09	8.48	7.23	6.23	5.43	4.77	4.23	3.77	3.38	3.05	2.77	2.52	2.31	2.12	1.95	1.81
	Inertia	34.11	25.63	19.74	15.53	12.43	10.11	8.33	6.94	5.85	4.97	4.26	3.68	3.20	2.80	2.47	2.18	1.94
	Reaction	34.34	31.22	28.62	26.42	24.53	22.89	21.46	20.20	19.08	18.07	17.17	16.35	15.61	14.93	14.31	13.74	13.21
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	12.21	10.09	8.48	7.23	6.23	5.43	4.77	4.23	3.77	3.38	3.05	2.77	2.52	2.31	2.12	1.95	1.81

1000/32mm forward - Aluminium



'Special' underlap detail



Dimension details	
Cover width	1000mm
Profile pitch	166.6mm
Profile depth	32mm
Crown width	23mm
Valley width	94mm
Rib width	72.6mm
Web	40mm
Underlap (right as shown above)	10mm (minimum)
Overlap (left as shown above)	13mm
'Special' Underlap (right as shown above)	37mm (minimum)

Weight per linear metre	
0.7mm	2.338 kgs
0.9mm	3.006 kgs
0.7mm - one side coated	2.363 kgs
0.9mm - one side coated	3.039 kgs

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

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.70	1.63	17.65	23.08
0.7	1.16	1.13	13.06	14.82

Profile ref: 1000/32 forward

Profile type: Aluminium

Single span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	6.19	5.11	4.30	3.66	3.16	2.75	2.42	2.14	1.91	1.71	1.55	1.40	1.28	1.17	1.07	0.99	0.92
	Inertia	3.46	2.60	2.00	1.58	1.26	1.03	0.84	0.70	0.59	0.50	0.43	0.37	0.32	0.28	0.25	0.22	0.20
	Reaction	19.76	17.96	16.47	15.20	14.11	13.17	12.35	11.62	10.98	10.40	9.88	9.41	8.98	8.59	8.23	7.90	7.60
	Limiting	3.46	2.60	2.00	1.58	1.26	1.03	0.84	0.70	0.59	0.50	0.43	0.37	0.32	0.28	0.25	0.22	0.20
0.9mm	Moment	9.07	7.49	6.30	5.36	4.63	4.03	3.54	3.14	2.80	2.51	2.27	2.06	1.87	1.71	1.57	1.45	1.34
	Inertia	4.68	3.51	2.71	2.13	1.70	1.39	1.14	0.95	0.80	0.68	0.58	0.50	0.44	0.38	0.34	0.30	0.27
	Reaction	30.77	27.98	25.64	23.67	21.98	20.52	19.23	18.10	17.10	16.20	15.39	14.65	13.99	13.38	12.82	12.31	11.84
	Limiting	4.68	3.51	2.71	2.13	1.70	1.39	1.14	0.95	0.80	0.68	0.58	0.50	0.44	0.38	0.34	0.30	0.27

Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	8.34	6.26	4.82	3.79	3.04	2.47	2.04	1.70	1.43	1.22	1.04	0.90	0.78	0.69	0.60	0.53	0.47
	Reaction	12.35	11.23	10.29	9.50	8.82	8.23	7.72	7.26	6.86	6.50	6.18	5.88	5.61	5.37	5.15	4.94	4.75
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	6.03	4.98	4.19	3.57	3.04	2.47	2.04	1.70	1.43	1.22	1.04	0.90	0.78	0.69	0.60	0.53	0.47
0.9mm	Moment	8.69	7.18	6.04	5.14	4.44	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.29
	Inertia	11.27	8.46	6.52	5.13	4.11	3.34	2.75	2.29	1.93	1.64	1.41	1.22	1.06	0.93	0.81	0.72	0.64
	Reaction	19.23	17.48	16.03	14.79	13.74	12.82	12.02	11.31	10.69	10.12	9.62	9.16	8.74	8.36	8.01	7.69	7.40
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	8.69	7.18	6.04	5.13	4.41	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.29

Deflection limit under working load < L/100

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.70	1.63	17.65	23.08
0.7	1.16	1.13	13.06	14.82

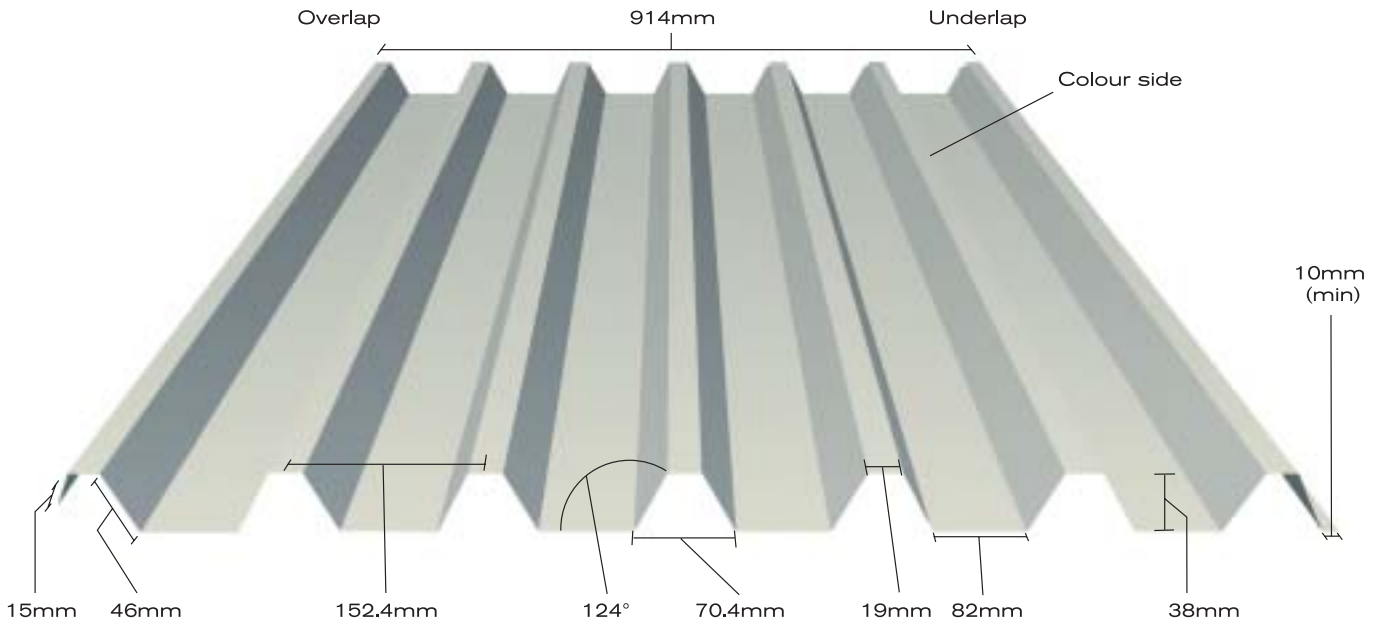
Profile ref: 1000/32 forward

Profile type: Aluminium

Single span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	6.19	5.11	4.30	3.66	3.16	2.75	2.42	2.14	1.91	1.71	1.55	1.40	1.28	1.17	1.07	0.99	0.92
	Inertia	6.92	5.20	4.01	3.15	2.52	2.05	1.69	1.41	1.19	1.01	0.87	0.75	0.65	0.57	0.50	0.44	0.39
	Reaction	19.76	17.96	16.47	15.20	14.11	13.17	12.35	11.62	10.98	10.40	9.88	9.41	8.98	8.59	8.23	7.90	7.60
	Limiting	6.19	5.11	4.01	3.15	2.52	2.05	1.69	1.41	1.19	1.01	0.87	0.75	0.65	0.57	0.50	0.44	0.39
0.9mm	Moment	9.07	7.49	6.30	5.36	4.63	4.03	3.54	3.14	2.80	2.51	2.27	2.06	1.87	1.71	1.57	1.45	1.34
	Inertia	9.35	7.03	5.41	4.26	3.41	2.77	2.28	1.90	1.60	1.36	1.17	1.01	0.88	0.77	0.68	0.60	0.53
	Reaction	30.77	27.98	25.64	23.67	21.98	20.52	19.23	18.10	17.10	16.20	15.39	14.65	13.99	13.38	12.82	12.31	11.84
	Limiting	9.07	7.03	5.41	4.26	3.41	2.77	2.28	1.90	1.60	1.36	1.17	1.01	0.88	0.77	0.68	0.60	0.53

Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	16.67	12.53	9.65	7.59	6.08	4.94	4.07	3.39	2.86	2.43	2.08	1.80	1.57	1.37	1.21	1.07	0.95
	Reaction	12.35	11.23	10.29	9.50	8.82	8.23	7.72	7.26	6.86	6.50	6.18	5.88	5.61	5.37	5.15	4.94	4.75
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
0.9mm	Moment	8.69	7.18	6.04	5.14	4.44	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.29
	Inertia	22.53	16.93	13.04	10.25	8.21	6.68	5.50	4.59	3.86	3.28	2.82	2.43	2.12	1.85	1.63	1.44	1.28
	Reaction	19.23	17.48	16.03	14.79	13.74	12.82	12.02	11.31	10.69	10.12	9.62	9.16	8.74	8.36	8.01	7.69	7.40
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	8.69	7.18	6.04	5.14	4.44	3.86	3.40	3.01	2.68	2.41	2.17	1.97	1.80	1.64	1.51	1.39	1.28

914/38mm forward - Steel



Dimension details	
Cover width	914mm
Profile pitch	152.4mm
Profile depth	38mm
Crown width	19mm
Valley width	82mm
Rib width	70.4mm
Web	46mm
Underlap (right as shown)	10mm (minimum)
Overlap (left as shown)	15mm

Weight per linear metre	
0.5mm	4.823 kgs
0.7mm	6.725 kgs
0.9mm	8.646 kgs

Tolerance on all dimensions as per BS EN 508 - 1 : 2000

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	leff (mm4/m)	Rcap (kN/m)
0.9	2.06	2.69	23.662	42.86
0.7	1.61	1.83	18.409	27.55
0.5	1.13	1.11	13.146	15.19

Profile ref: 914/38mm forward
Profile type: Steel

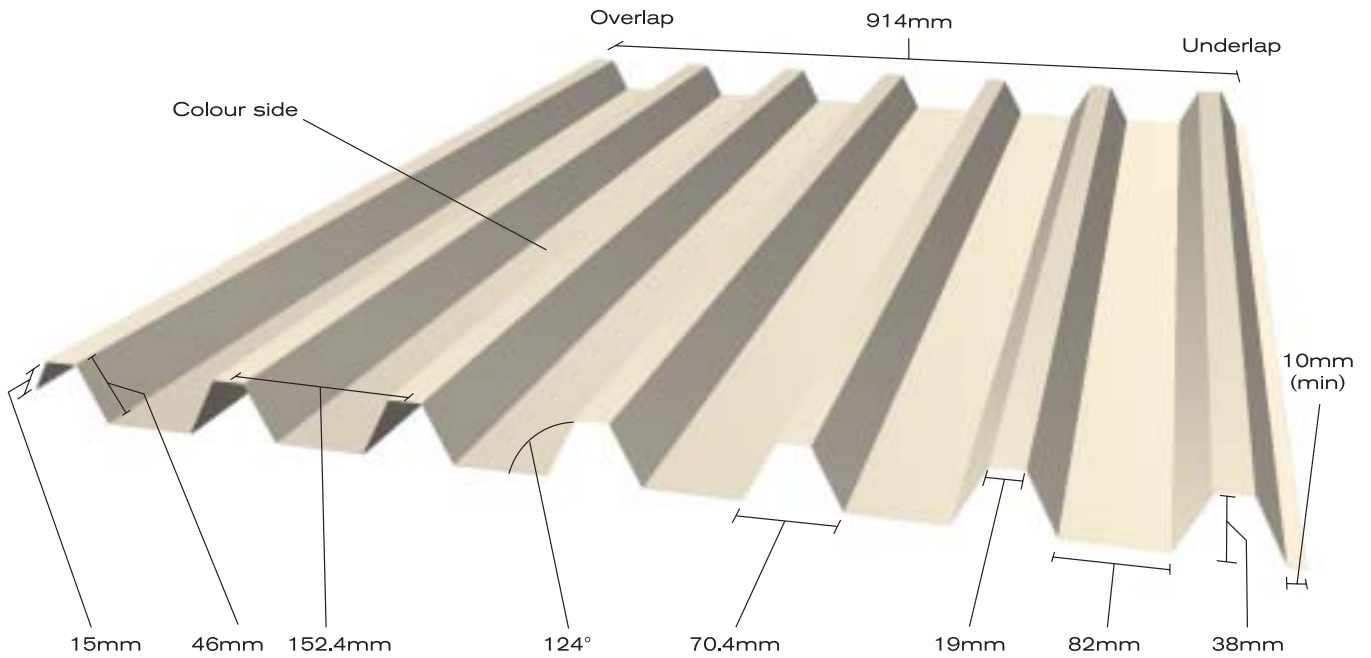
Single span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.86	1.67	1.51	1.37	1.25	1.14	1.05	0.96	0.89
	Inertia	10.35	7.78	5.99	4.71	3.77	3.07	2.53	2.11	1.77	1.51	1.29	1.12	0.97	0.85	0.75	0.66	0.59
	Reaction	20.25	18.41	16.88	15.58	14.47	13.50	12.66	11.91	11.25	10.66	10.13	9.64	9.21	8.81	8.44	8.10	7.79
	Limiting	6.03	4.98	4.19	3.57	3.07	2.68	2.35	2.09	1.77	1.51	1.29	1.12	0.97	0.85	0.75	0.66	0.59
0.7mm	Moment	8.59	7.10	5.96	5.08	4.38	3.82	3.35	2.97	2.65	2.38	2.15	1.95	1.77	1.62	1.49	1.37	1.27
	Inertia	14.49	10.89	8.39	6.60	5.28	4.29	3.54	2.95	2.48	2.11	1.81	1.56	1.36	1.19	1.05	0.93	0.82
	Reaction	36.73	33.39	30.61	28.26	26.24	24.49	22.96	21.61	20.41	19.33	18.37	17.49	16.70	15.97	15.31	14.69	14.13
	Limiting	8.59	7.10	5.96	5.08	4.38	3.82	3.35	2.95	2.48	2.11	1.81	1.56	1.36	1.19	1.05	0.93	0.82
0.9mm	Moment	10.99	9.08	7.63	6.50	5.61	4.88	4.29	3.80	3.39	3.04	2.75	2.49	2.27	2.08	1.91	1.76	1.63
	Inertia	18.63	13.99	10.78	8.48	6.79	5.52	4.55	3.79	3.19	2.72	2.33	2.01	1.75	1.53	1.35	1.19	1.06
	Reaction	57.15	51.95	47.62	43.96	40.82	38.10	35.72	33.62	31.75	30.08	28.57	27.21	25.98	24.85	23.81	22.86	21.98
	Limiting	10.99	9.08	7.63	6.50	5.61	4.88	4.29	3.79	3.19	2.72	2.33	2.01	1.75	1.53	1.35	1.19	1.06

Double span case – permissible working +ve loads

Thickness	Design case	Spans in metres																
		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
0.5mm	Moment	5.92	4.89	4.11	3.50	3.02	2.63	2.31	2.05	1.83	1.64	1.48	1.34	1.22	1.12	1.03	0.95	0.88
	Inertia	24.93	18.73	14.43	11.35	9.08	7.39	6.09	5.07	4.27	3.63	3.12	2.69	2.34	2.05	1.80	1.60	1.42
	Reaction	12.66	11.51	10.55	9.74	9.04	8.44	7.91	7.45	7.03	6.66	6.33	6.03	5.75	5.50	5.27	5.06	4.87
	Interaction	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.65	1.51	1.38	1.28	1.18	1.09	1.02	0.95
	Limiting	4.75	4.09	3.55	3.12	2.76	2.46	2.21	1.99	1.81	1.64	1.48	1.34	1.22	1.12	1.03	0.95	0.88
0.7mm	Moment	9.76	8.07	6.78	5.78	4.98	4.34	3.81	3.38	3.01	2.70	2.44	2.21	2.02	1.84	1.69	1.56	1.44
	Inertia	34.91	26.23	20.20	15.89	12.72	10.34	8.52	7.11	5.99	5.09	4.36	3.77	3.28	2.87	2.53	2.23	1.99
	Reaction	22.96	20.87	19.13	17.66	16.40	15.31	14.35	13.50	12.75	12.08	11.48	10.93	10.44	9.98	9.57	9.18	8.83
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	8.47	7.27	6.31	5.53	4.89	4.34	3.81	3.38	3.01	2.70	2.44	2.21	2.02	1.84	1.69	1.56	1.44
0.9mm	Moment	14.35	11.86	9.96	8.49	7.32	6.38	5.60	4.96	4.43	3.97	3.59	3.25	2.96	2.71	2.49	2.30	2.12
	Inertia	44.87	33.71	25.97	20.42	16.35	13.29	10.95	9.13	7.69	6.54	5.61	4.84	4.21	3.69	3.25	2.87	2.55
	Reaction	35.72	32.47	29.76	27.47	25.51	23.81	22.32	21.01	19.84	18.80	17.86	17.01	16.23	15.53	14.88	14.29	13.74
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	12.73	10.91	9.46	8.28	7.32	6.38	5.60	4.96	4.43	3.97	3.59	3.25	2.96	2.71	2.49	2.30	2.12

914/38mm forward - Aluminium



Dimension details	
Cover width	914mm
Profile pitch	152.4mm
Profile depth	38mm
Crown width	19mm
Valley width	82mm
Rib width	70.4mm
Web	46mm
Underlap (right as shown)	10mm (minimum)
Overlap (left as shown)	15mm

Weight per linear metre	
0.7 mm mill finish	2.338 kgs
0.7 mm mill finish	3.006 kgs
0.7 mm one side coated	2.363 kgs
0.9 mm one side coated	3.039 kgs

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

Deflection limit under working load = L/200

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.97	1.95	23.662	24.01
0.7	1.35	1.36	17.917	15.43

Profile ref: 914/38 forward
Profile type: Aluminium

Single span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	7.20	5.95	5.00	4.26	3.67	3.20	2.81	2.49	2.22	1.99	1.80	1.63	1.49	1.36	1.25	1.15	1.07
	Inertia	4.75	3.57	2.75	2.16	1.73	1.41	1.16	0.97	0.81	0.69	0.59	0.51	0.45	0.39	0.34	0.30	0.27
	Reaction	20.57	18.70	17.14	15.83	14.70	13.72	12.86	12.10	11.43	10.83	10.29	9.80	9.35	8.94	8.57	8.23	7.91
	Limiting	4.75	3.57	2.75	2.16	1.73	1.41	1.16	0.97	0.81	0.69	0.59	0.51	0.45	0.39	0.34	0.30	0.27
0.9mm	Moment	10.51	8.68	7.30	6.22	5.36	4.67	4.10	3.64	3.24	2.91	2.63	2.38	2.17	1.99	1.82	1.68	1.55
	Inertia	6.27	4.71	3.63	2.85	2.28	1.86	1.53	1.28	1.08	0.91	0.78	0.68	0.59	0.52	0.45	0.40	0.36
	Reaction	32.01	29.10	26.68	24.63	22.87	21.34	20.01	18.83	17.79	16.85	16.01	15.24	14.55	13.92	13.34	12.81	12.31
	Limiting	6.27	4.71	3.63	2.85	2.28	1.86	1.53	1.28	1.08	0.91	0.78	0.68	0.59	0.52	0.45	0.40	0.36

Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	7.25	5.99	5.04	4.29	3.70	3.22	2.83	2.51	2.24	2.01	1.81	1.64	1.50	1.37	1.26	1.16	1.07
	Inertia	11.44	8.59	6.62	5.21	4.17	3.39	2.79	2.33	1.96	1.67	1.43	1.23	1.07	0.94	0.83	0.73	0.65
	Reaction	12.86	11.69	10.72	9.89	9.18	8.57	8.04	7.56	7.14	6.77	6.43	6.12	5.84	5.59	5.36	5.14	4.95
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	7.25	5.99	5.04	4.29	3.70	3.22	2.79	2.33	1.96	1.67	1.43	1.23	1.07	0.94	0.83	0.73	0.65
0.9mm	Moment	10.40	8.60	7.22	6.15	5.31	4.62	4.06	3.60	3.21	2.88	2.60	2.36	2.15	1.97	1.81	1.66	1.54
	Inertia	15.10	11.35	8.74	6.87	5.50	4.47	3.69	3.07	2.59	2.20	1.89	1.63	1.42	1.24	1.09	0.97	0.86
	Reaction	20.01	18.19	16.67	15.39	14.29	13.34	12.51	11.77	11.12	10.53	10.00	9.53	9.09	8.70	8.34	8.00	7.70
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	10.40	8.60	7.22	6.15	5.31	4.62	3.69	3.07	2.59	2.20	1.89	1.63	1.42	1.24	1.09	0.97	0.86

Deflection limit under working load = L/100

t (mm)	Mcap +ve (kNm/m)	Mcap -ve (kNm/m)	Ieff (mm ⁴ /m)	Rcap (kN/m)
0.9	1.97	1.95	23.662	24.01
0.7	1.35	1.36	17.917	15.43

Profile ref: 914/38 forward
Profile type: Aluminium

Single span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	7.20	5.95	5.00	4.26	3.67	3.20	2.81	2.49	2.22	1.99	1.80	1.63	1.49	1.36	1.25	1.15	1.07
	Inertia	9.49	7.13	5.49	4.32	3.46	2.81	2.32	1.93	1.63	1.38	1.19	1.03	0.89	0.78	0.69	0.61	0.54
	Reaction	20.57	18.70	17.14	15.83	14.70	13.72	12.86	12.10	11.43	10.83	10.29	9.80	9.35	8.94	8.57	8.23	7.91
	Limiting	7.20	5.95	5.00	4.26	3.46	2.81	2.32	1.93	1.63	1.38	1.19	1.03	0.89	0.78	0.69	0.61	0.54
0.9mm	Moment	10.51	8.68	7.30	6.22	5.36	4.67	4.10	3.64	3.24	2.91	2.63	2.38	2.17	1.99	1.82	1.68	1.55
	Inertia	12.54	9.42	7.26	5.71	4.57	3.72	3.06	2.55	2.15	1.83	1.57	1.35	1.18	1.03	0.91	0.80	0.71
	Reaction	32.01	29.10	26.68	24.63	22.87	21.34	20.01	18.83	17.79	16.85	16.01	15.24	14.55	13.92	13.34	12.81	12.31
	Limiting	10.51	8.68	7.26	5.71	4.57	3.72	3.06	2.55	2.15	1.83	1.57	1.35	1.18	1.03	0.91	0.80	0.71

Double span case – permissible working +ve loads																		
Thickness	Design case	Spans in metres																
		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
0.7mm	Moment	7.25	5.99	5.04	4.29	3.70	3.22	2.83	2.51	2.24	2.01	1.81	1.64	1.50	1.37	1.26	1.16	1.07
	Inertia	22.87	17.18	13.24	10.41	8.33	6.78	5.58	4.66	3.92	3.33	2.86	2.47	2.15	1.88	1.65	1.46	1.30
	Reaction	12.86	11.69	10.72	9.89	9.18	8.57	8.04	7.56	7.14	6.77	6.43	6.12	5.84	5.59	5.36	5.14	4.95
	Interaction	8.47	7.27	6.31	5.53	4.89	4.36	3.91	3.52	3.19	2.91	2.66	2.44	2.25	2.08	1.93	1.79	1.67
	Limiting	7.25	5.99	5.04	4.29	3.70	3.22	2.83	2.51	2.24	2.01	1.81	1.64	1.50	1.37	1.26	1.16	1.07
0.9mm	Moment	10.40	8.60	7.22	6.15	5.31	4.62	4.06	3.60	3.21	2.88	2.60	2.36	2.15	1.97	1.81	1.66	1.54
	Inertia	30.20	22.69	17.48	13.75	11.01	8.95	7.37	6.15	5.18	4.40	3.78	3.26	2.84	2.48	2.18	1.93	1.72
	Reaction	20.01	18.19	16.67	15.39	14.29	13.34	12.51	11.77	11.12	10.53	10.00	9.53	9.09	8.70	8.34	8.00	7.70
	Interaction	12.73	10.91	9.46	8.28	7.32	6.51	5.83	5.25	4.76	4.33	3.96	3.63	3.35	3.09	2.87	2.66	2.48
	Limiting	10.40	8.60	7.22	6.15	5.31	4.62	4.06	3.60	3.21	2.88	2.60	2.36	2.15	1.97	1.81	1.66	1.54



SF500 Secret Fix

Unlike other systems, which need extra fasteners, or brackets, SF500 Secret-fix has an integral, hidden fixing system.

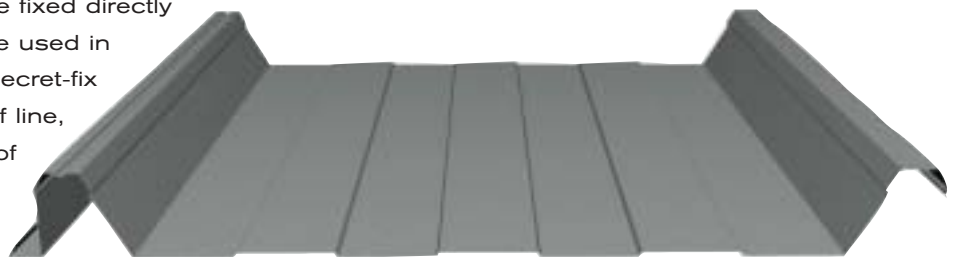
That not only makes it easier and quicker to install, but it completely eliminates one of the major sources of leaks: penetration of the outer sheet.



In fact SF500 Secret-fix can be used with complete confidence down to a 2 1/2° roof pitch, while the fluted base gives superior strength and resistance to ponding.

Longer lengths can also be accommodated by the rolling of SF500 Secret-fix on site (special provision for this must be made with Euroclad beforehand).

Euroclad SF500 Secret-fix can be fixed directly to the main structure, or it can be used in conjunction with a liner. SF500 Secret-fix provides a clean, uncluttered roof line, available in an extensive choice of durable colours that should last for decades.



Euroclad's SF500 Secret-fix is manufactured exclusively from Corus's Colorcoat HPS200, PVDF and Prisma. HPS200 has the added benefit of the full 'Confidex' guarantee package.

Colorcoat HPS200 with Confidex

And, as you'd expect from a registered company with a quality system which conforms to the requirements of BS EN ISO : 9001 : 2000, with Euroclad you can also be sure of the highest level of quality and service.

All in all, it's easy to see that Euroclad's SF500 Secret-fix has a great deal to offer.



Euroseam

Developing upon the principles, originally conceived over 30 years ago, effectively 'zipping-up' a rolled side lap, the Euroseam product provides security without detracting from the requirements for flexibility in terms of aesthetics. The system is capable of being adapted to accommodate the structural, thermal or acoustic demands of the project.

Euroseam can be manufactured in either plain mill stucco-embossed, pre-finished aluminium or coated steel. It is available curved to waveform, concave, convex or multi-radii.

The Euroseam rollformer is contained within a bespoke trailer which allows Euroclad to rollform on site. Therefore, the previous restriction imposed by transport no longer applies. Long lengths are rolled on site to minimize handling, transport and packing difficulties.

Available in 300, 400 and 500mm standard widths, Euroseam can be supplied in a 0.9mm, 1mm and 1.2mm plain mill or pre-coated aluminium.

Rollformed panels can be produced between 150mm and 500mm. The panels are clipped on to the halter, with the overlapping joint being completed by a seaming tool, which travels along side lap. The overall system eliminates through fixings and the length of the sheet eliminates the need for end laps. Euroseam can be used on roofs of any pitch.

Euroseam 400 is recommended for normal usage, whilst Euroseam 300 can be used where a high degree of loading, or larger spanning is required. Euroseam 500 profile is only to be used with the bottom pan fully supported. Rollformed tapered sheets can produce curves on plan.

Thermal movement is accommodated by the sliding of the sheet on the halter. This movement will be away from the 'fixed point' at the eaves, or the ridge.

The Euroseam product gives the specifier the freedom to adapt its flexibility to a particular project requirements without incurring high costs. It can also be integrated with other Euroclad products, guaranteeing an engineering solution which has been designed and tested.

Transport and site handling

Euroseam sheets are typically of considerable length, therefore, careful arrangements must be made to avoid damage whilst handling. If the bundles are to be craned onto the roof, it is essential that the spreader beam is used, together with the correct slings. The maximum pack weight of Euroseam will be 2.5 tonnes. Spreader beams up to 60 metres long are available to ease the lifting of long sheets to the roof.

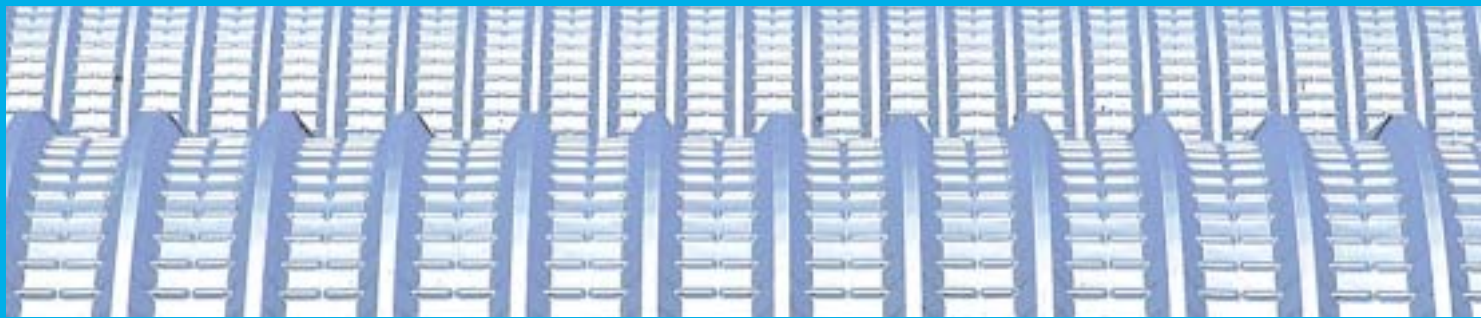
The ability to roll on-site overcomes the restrictions on length of load that apply in the UK. Loads in excess of 27.5 metres require 12 weeks notice to be given to the Department of Transport to approve the route.

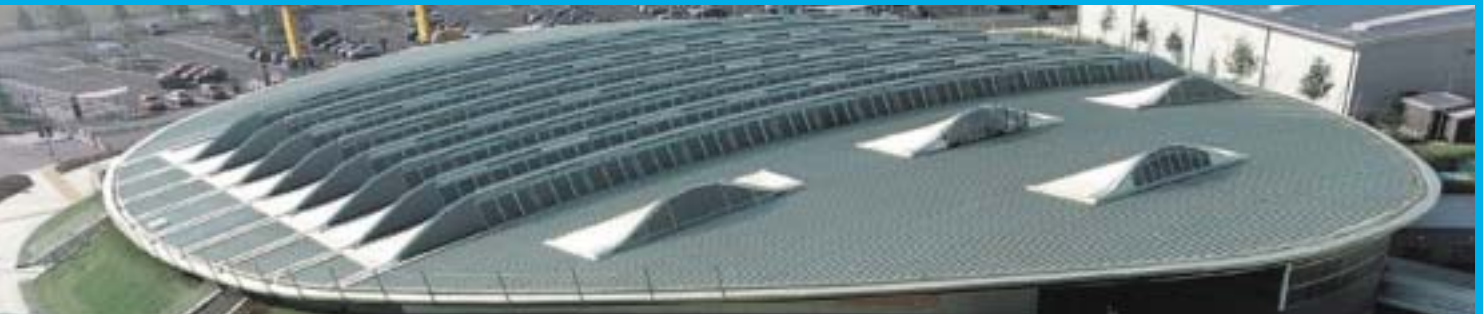
Euroseam's on-site rollformer allows a sheet to be manufactured at any length. The only restriction is the practicality of handling sheets up to 125 metres on-site.

When packs are laid on the roof it is important to check the structures' load bearing capability beforehand.

Curving

This can be completed on site or at the factory, whichever is more appropriate for the project. Concave, convex, waveform and multi-radii shapes can be curved using CNC machinery down to a radius of 6 metres. Please consult the Euroseam Technical Department.





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