



STEADMANS
ROOFING & CLADDING



Single Skin Systems
AS Series Roof & Wall Profiles

Steadmans is one of the UK's leading manufacturers and suppliers of **high-quality building envelope solutions.**

With a proud heritage dating back to 1911, we specialise in the manufacture of roofing and cladding systems, secondary steelwork, and associated accessories for a wide range of construction sectors including **Industrial, Agricultural, Offsite, Modular, and Commercial.**

Operating from our state-of-the-art manufacturing facility near Carlisle, Steadmans provides full **national coverage** supported by regional sales teams. We deliver reliable, high-performance solutions that support projects across the UK and Ireland.

Key Facts

- Established over **100 years** ago, operating from our Warnell site since 1988
- Became **part of SIG plc** in 2008, now operating under Building Solutions (National) Ltd
- Employs over 150 staff including experienced designers, engineers, and production **specialists**
- Offers full **technical support** including CAD details, specification guidance, and design input
- Known for **reliable** lead times, **competitive** pricing, and a **comprehensive** product range

Our Portfolio

- Single Skin Profiles
- Composite Insulated Panels (AS35 & ASMR)
- Secondary Steelwork including Purlins, Side Rails, Eaves Beams & Mezzanine Beams
- Steelwork for Offsite and Modular application
- Flashings, Gutters, Fixings & Accessories



Our reputation is built on technical expertise, product quality, and a commitment to continuous investment in British manufacturing. Whether you're delivering large-scale industrial builds or fast-track modular installations, **Steadmans is your trusted supply partner.**

Steadmans Single Skin Systems.

Our self supporting steel profiled single skin cladding systems are suitable for both roofs and walls.

The profiles consist of a coated steel outer sheet rolled to one of our many Steadmans cladding profiles which can be used to form roofs down to 4° finished pitch (5.5° design pitch - in accordance with BS 5427: Code of practice for the use of profiled sheet for roof and wall cladding on buildings) and for wall cladding. Steadmans single skin offering includes a comprehensive range of fixings, sealants, guttering, flashings and rooflights.



Warranty

The Steadmans profiles can be offered with material warranties of up to 40 year - subject to coating type, coating, location and environment. Further information can be found in the Steadmans Colour Selector.

Fire

All Steadmans roof profiles achieve B_{ROOF}(t4) classification to BS EN 13501-5:2016.

Reaction to fire classifications to BS EN 13501-1:2018 are dependent upon the external coating type:

- Plastisol C-s3,d1
- Polyester A2-s1,d0

Please contact the technical department for information on specific coating types.

Biological

The profiles are unaffected by mould, fungi and mildew. They do not support vermin.

Specification

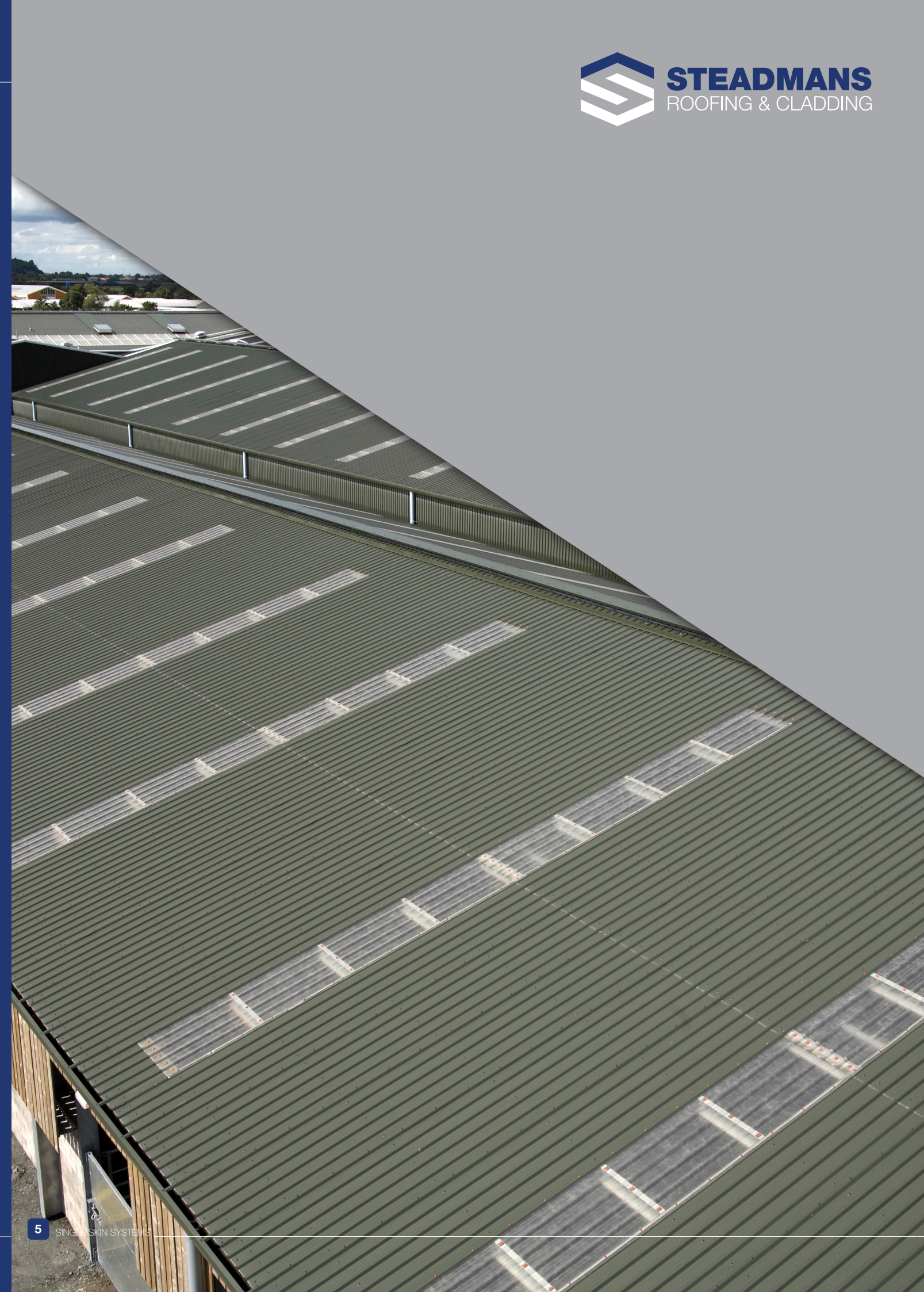
NBS Source is a library of technical product information written in NBS format, linked to NBS clauses and clause guidance.

With NBS Source, specifiers can select products quickly and accurately then drop the product information directly into a specification.

NBS clauses for Steadmans single skin roof and wall systems and other Steadmans products are now available for NBS subscribers.

Fragility

When fully fixed and installed to Steadmans' recommendations (using correctly located fixings with 16mm bonded washers along with 6mm x 5mm NFRC class A butyl sealant at the end and side lap) the 0.5 or 0.7mm AS24 and AS30 external sheets achieve a Class B non-fragile assembly, as defined in the ACR(M)001:2019, 6th edition 'Test for non-fragility of profiles sheeted roofing assemblies' (third edition).



Design & Certification

Steel Profiles

Standard external weather sheets are available in 0.5mm and 0.7mm thicknesses.

The manufacturing tolerances are shown below. Standard profile dimensions , weights, and load spans are shown on pages 8 - 15.

The steel used in the Steadmans roof and wall profiles is hot-dip galvanised to BS EN 10346:2015 or Aluzinc coated, then finished with one of the coatings listed in the table on page 16.

Profile Dimensions	
Weight	
0.5mm thick	4.8 kg/m ²
0.7mm thick	6.7 kg/m ²

Manufacturing Tolerances BS EN 508-1	
Length	+/- 5mm
Cover Width	+/- 5mm
Squareness	3mm maximum

CE Marking

Steadmans single skin profiled sheets are manufactured in conformity with BS EN 14782:2006.

Steadmans can supply certification of CE marking and Declaration of Performance upon request. Please contact Steadmans technical department.

Quality Assured

We manufacture all of our products to the highest quality standard, operating an accredited Quality Management System in compliance with the requirements of ISO 9001.

Our products are manufactured from the highest-quality materials from our approved supply chain, using state-ofthe- art production facilities which are rigorously controlled through inspection and testing at each production stage. Our products are designed and manufactured in accordance with all related and prevailing standards.



Environment

We operate a highly efficient manufacturing facility that operates an accredited Environmental Management System in compliance with the requirements of ISO 14001:2015.

We are constantly focused on increasing our understanding and improving our products and processes we aim to recover and recycle all our waste.

Health & Safety

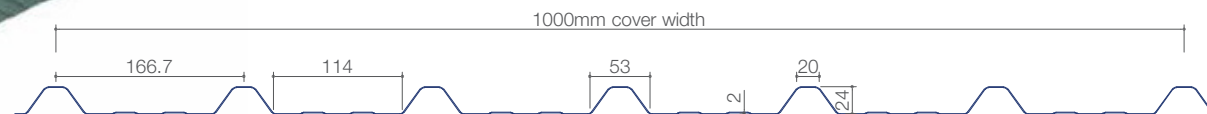
Our Business Delivery is managed efficiently and responsibly through the practise of our accredited Occupational Health and Safety Management System in compliance with the requirements of ISO 45001:2018.

Through our Management System we promote a safe and healthy working environment by providing a framework that allows our organisation to identify and control its health and safety risks, reduce the potential for accidents, ensure legislative compliance and improve overall performance.



AS24/1000 Roof Profile

A medium profile roof sheet available in 0.5mm and 0.7mm thicknesses.



AS24/1000R steel roof profile Thickness 0.5mm Weight 4.57 kg/m²		
Bottom flange in compression Moment capacity: 0.469 kNm/m Moment of inerita: 3.661 cm⁴/m	Bottom flange in tension Moment capacity: 0.457 kNm/m Moment of inertia: 3.673 cm⁴/m	Support width: 40mm Web crushing: 8.007 kN/m Youngs modulus E: 210 kN/mm²
Imposed load	Working load UDL (kN/m²) Deflection limit L/200	
Span / m	1.20	
Single	1.69	
Double	1.46	
Multiple	1.77	
Bottom flange in compression Moment capacity: 0.457 kNm/m Moment of inerita: 3.673 cm⁴/m	Bottom flange in tension Moment capacity: 0.469 kNm/m Moment of inertia: 3.661 cm⁴/m	Support width: 40mm Web crushing: 8.007 kN/m Young modulus: 210 kN/mm²
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90	
Span / m	1.20	
Single	1.74	
Double	1.43	
Multiple	1.74	

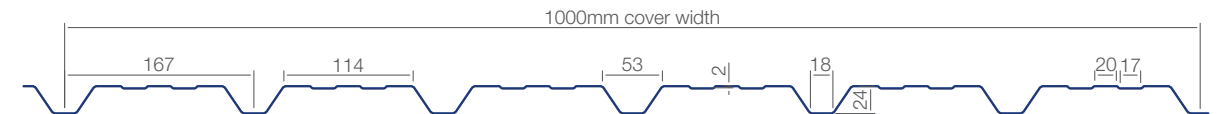
AS24/1000R steel roof profile Thickness 0.7mm Weight 6.49 kg/m²													
Bottom flange in compression Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m				Bottom flange in tension Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m				Support width: 40mm Web crushing: 16.218 kN/m Youngs modulus E: 210 kN/mm²					
Imposed load	Working load UDL (kN/m²) Deflection limit L/200												
Span / m	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
Single	2.57	2.04	1.63	1.33	1.09	0.91	0.77	0.65	0.56	0.48	0.42	0.37	0.32
Double	2.37	2.06	1.81	1.60	1.43	1.28	1.14	1.03	0.93	0.80	0.70	0.61	0.54
Multiple	2.89	2.52	2.21	1.98	1.75	1.52	1.28	1.09	0.93	0.80	0.70	0.61	0.54
Bottom flange in compression Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m				Bottom flange in tension Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m				Support width: 40mm Web crushing: 16.218 kN/m Youngs modulus E: 210 kN/mm²					
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90												
Span / m	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
Single	2.57	2.19	1.89	1.65	1.45	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
Double	2.37	2.06	1.81	1.60	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64
Multiple	2.89	2.52	2.21	1.96	1.75	1.57	1.42	1.28	1.16	1.05	0.96	0.88	0.80

Bold type: Spans between 1.20 -1.80m Non-fragile

Normal type: Spans above 1.80m Fragile

AS24/1000 Wall Profile

A medium profile wall sheet available in 0.5mm and 0.7mm thicknesses.



AS24/1000W steel wall profile Thickness 0.5mm Weight 4.57 kg/m²																						
Bottom flange in compression Moment capacity: 0.457 kNm/m Moment of inerita: 3.673 cm⁴/m								Bottom flange in tension Moment capacity: 0.469 kNm/m Moment of inertia: 3.661 cm⁴/m								Support width: 40mm Web crushing: 8.007 kN/m Youngs modulus E: 210 kN/mm²						
Positive		Working load UDL (kN/m²) Deflection limit L/90																				
Span / m	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	2.70	2.80					
Single	1.74	1.48	1.28	1.11	0.98	0.87	0.77	0.69	0.63	0.57	0.52	0.47	0.43	0.40	0.37	0.34	0.30					
Double	1.43	1.25	1.10	0.98	0.88	0.79	0.71	0.65	0.59	0.54	0.50	0.46	0.42	0.39	0.36	0.33	0.31					
Multiple	1.74	1.52	1.34	1.19	1.07	0.96	0.87	0.79	0.72	0.66	0.61	0.57	0.52	0.49	0.45	0.42	0.39					
Bottom flange in compression Moment capacity: 0.469 kNm/m Moment of inerita: 3.661 cm⁴/m								Bottom flange in tension Moment capacity: 0.457 kNm/m Moment of inertia: 3.673 cm⁴/m								Support width: 40mm Web crushing: 8.007 kN/m Young modulus: 210 kN/mm²						
Negative		Working load UDL (kN/m²) Deflection limit L/90																				
Span / m	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	2.70	2.80					
Single	1.69	1.44	1.24	1.08	0.95	0.84	0.75	0.68	0.61	0.55	0.50	0.46	0.42	0.39	0.36	0.33	0.30					
Double	1.46	1.28	1.12	1.00	0.89	0.80	0.73	0.66	0.60	0.55	0.51	0.47	0.43	0.40	0.37	0.34	0.32					
Multiple	1.77	1.55	1.37	1.22	1.09	0.98	0.89	0.81	0.74	0.68	0.62	0.58	0.53	0.53	0.46	0.43	0.40					

AS24/1000W steel wall profile Thickness 0.7mm Weight 6.49 kg/m²																						
Bottom flange in compression Moment capacity: 0.695 kNm/m Moment of inerita: 5.546 cm⁴/m						Bottom flange in tension Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m						Support width: 40mm Web crushing: 16.218 kN/m Youngs modulus E: 210 kN/mm²										
Positive		Working load UDL (kN/m²) Deflection limit L/90																				
Span / m	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	2.70	2.80					
Single	2.57	2.19	1.89	1.65	1.45	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64	0.59	0.55	0.50	0.45					
Double	2.37	2.06	1.81	1.60	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64	0.59	0.55	0.51	0.47					
Multiple	2.89	2.52	2.21	1.96	1.75	1.57	1.42	1.16	1.16	1.05	0.96	0.88	0.80	0.74	0.69	0.64	0.59					
Bottom flange in compression Moment capacity: 0.695 kNm/m Moment of inerita: 5.546 cm⁴/m						Bottom flange in tension Moment capacity: 0.695 kNm/m Moment of inertia: 5.546 cm⁴/m						Support width: 40mm Web crushing: 16.218 kN/m Young modulus: 210 kN/mm²										
Negative		Working load UDL (kN/m²) Deflection limit L/90																				
Span / m	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	2.70	2.80					
Single	2.57	2.19	1.89	1.65	1.45	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64	0.59	0.55	0.50	0.45					
Double	2.37	2.06	1.81	1.60	1.43	1.28	1.14	1.03	0.93	0.84	0.77	0.70	0.64	0.59	0.55	0.51	0.47					
Multiple	2.89	2.52	2.21	1.96	1.75	1.57	1.42	1.28	1.16	1.05	0.96	0.88	0.80	0.74	0.69	0.64	0.59					

BS EN 1991-1-4:
Appendix C.5.6.4: Partial safety factors for limit state design. Load factors included within the load/span tables:
• Variable loads factor 1.5 • Permanent load factor 1.35 • Accidental load factor 1.0 • Serviceability load factor 1.0
Deflection
• Roofs - imposed loads - L/200 • Roofs - wind L/90 • Walls - wind L/90

AS30/1000
Roof Profile

A deep profile roof sheet available in 0.5mm and 0.7mm thicknesses.
The male underlapping sheet edge has a support leg and an antisiphonic groove.



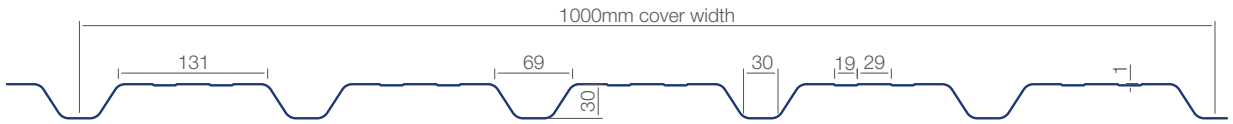
AS30/1000R steel roof profile Thickness 0.5mm Weight 4.57 kg/m²		
Bottom flange in compression Moment capacity: 0.653 kNm/m Moment of inerita: 5.490 cm⁴/m	Bottom flange in tension Moment capacity: 0.582 kNm/m Moment of inertia: 5.866 cm⁴/m	Support width: 40mm Web crushing: 5.013 kN/m Youngs modulus E: 210 kN/mm²
Imposed load	Working load UDL (kN/m²) Deflection limit L/200	
Span / m	1.20	
Single	2.16	
Double	1.45	
Multiple	1.72	
Bottom flange in compression Moment capacity: 0.582 kNm/m Moment of inerita: 5.866 cm⁴/m	Bottom flange in tension Moment capacity: 0.653 kNm/m Moment of inertia: 5.490 cm⁴/m	Support width: 40mm Web crushing: 5.013 kN/m Young modulus: 210 kN/mm²
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90	
Span / m	1.20	
Single	2.42	
Double	1.37	
Multiple	1.63	

AS30/1000R steel roof profile							Thickness 0.7mm	Weight 6.49 kg/m²						
Bottom flange in compression Moment capacity: 0.986 kNm/m Moment of inerita: 8.956 cm⁴/m				Bottom flange in tension Moment capacity: 0.970 kNm/m Moment of inertia: 9.521 cm⁴/m				Support width: 40mm Web crushing: 10.965 kN/m Youngs modulus E: 210 kN/mm²						
Imposed load	Working load UDL (kN/m²) Deflection limit L/200													
	Span / m	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
		3.59	3.06	2.64	2.30	1.89	1.58	1.33	1.13	0.97	0.84	0.73	0.64	0.56
		2.61	2.30	2.04	1.83	1.64	1.49	1.35	1.24	1.13	1.04	0.96	0.89	0.83
		3.13	2.76	2.46	2.20	1.98	1.80	1.64	1.50	1.37	1.27	1.17	1.06	0.94
Bottom flange in compression Moment capacity: 0.970 kNm/m Moment of inerita: 9.521 cm⁴/m				Bottom flange in tension Moment capacity: 0.986 kNm/m Moment of inertia: 8.956 cm⁴/m				Support width: 40mm Web crushing: 10.965 kN/m Youngs modulus E: 210 kN/mm²						
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90													
	Span / m	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
		3.65	3.11	2.68	2.34	2.05	1.82	1.62	1.46	1.31	1.19	1.09	0.99	0.91
		2.59	2.28	2.02	1.81	1.63	1.47	1.34	1.22	1.12	1.03	0.95	0.88	0.82
		3.10	2.74	2.43	2.18	1.96	1.78	1.62	1.48	1.36	1.25	1.16	1.07	1.00

Bold type: Spans between 1.20 -1.80m Non-fragile Normal type: Spans above 1.80m Fragile

AS30/1000
Wall Profile

A deep profiled wall sheet available in 0.5mm and 0.7mm thicknesses.



AS30/1000W steel wall profile Thickness 0.5mm Weight 4.57 kg/m²																		
Bottom flange in compression Moment capacity: 0.688 kNm/m Moment of inerita: 6.955 cm⁴/m						Bottom flange in tension Moment capacity: 0.782 kNm/m Moment of inerita: 6.555 cm⁴/m						Support width: 40mm Web crushing: 8.054 kN/m Youngs modulus E: 210 kN/mm²						
Positive		Working load UDL (kN/m²) Deflection limit L/90																
Span / m		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	2.70	2.80
Single		2.90	2.47	2.13	1.85	1.63	1.44	1.29	1.16	1.04	0.95	0.86	0.79	0.72	0.67	0.62	0.57	0.53
Double		1.86	1.64	1.45	1.30	1.17	1.06	0.96	0.88	0.88	0.74	0.68	0.63	0.59	0.55	0.48	0.48	0.45
Multiple		2.23	1.97	1.75	1.57	1.41	1.28	1.16	1.06	1.06	0.90	0.83	0.77	0.72	0.67	0.58	0.58	0.55
Bottom flange in compression Moment capacity: 0.782 kNm/m Moment of inerita: 6.555 cm⁴/m						Bottom flange in tension Moment capacity: 0.688 kNm/m Moment of inerita: 6.955 cm⁴/m						Support width: 40mm Web crushing: 8.054 kN/m Young modulus: 210 kN/mm²						
Negative		Working load UDL (kN/m²) Deflection limit L/90																
Span / m		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	2.70	2.80
Single		2.55	2.17	1.87	1.63	1.43	1.27	1.13	1.02	0.92	0.83	0.76	0.69	0.64	0.59	0.54	0.50	0.47
Double		2.00	1.77	1.57	1.41	1.27	1.15	1.05	0.96	0.88	0.81	0.75	0.69	0.64	0.60	0.56	0.53	0.49
Multiple		2.39	2.12	1.89	1.69	1.53	1.38	1.26	1.16	1.06	0.98	0.91	0.84	0.78	0.73	0.68	0.64	0.60

AS24/1000W steel wall profile Thickness 0.7mm Weight 6.49 kg/m²																		
Bottom flange in compression Moment capacity: 1.152 kNm/m Moment of inerita: 11.336 cm⁴/m					Bottom flange in tension Moment capacity: 1.182 kNm/m Moment of inertia: 10.711 cm⁴/m						Support width: 40mm Web crushing: 16.312 kN/m Youngs modulus E: 210 kN/mm²							
Positive		Working load UDL (kN/m²) Deflection limit L/90																
Span / m		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	2.70	2.80
Single		4.38	3.73	3.22	2.80	2.46	2.18	1.95	1.75	1.58	1.43	1.30	1.19	1.09	1.01	0.93	0.86	0.80
Double		3.36	2.94	2.60	2.32	2.08	1.88	1.70	1.55	1.42	1.30	1.20	1.11	1.03	0.96	0.89	0.84	0.78
Multiple		4.05	3.56	3.15	2.81	2.52	2.28	2.07	1.89	1.73	1.59	1.47	1.47	1.26	1.17	1.09	1.02	0.96
Bottom flange in compression Moment capacity: 1.182 kNm/m Moment of inerita: 10.711 cm⁴/m					Bottom flange in tension Moment capacity: 1.152 kNm/m Moment of inertia: 11.336 cm⁴/m						Support width: 40mm Web crushing: 16.312 kN/m Young modulus: 210 kN/mm²							
Negative		Working load UDL (kN/m²) Deflection limit L/90																
Span / m		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	2.70	2.80
Single		4.27	3.64	3.13	2.73	2.40	2.13	1.90	1.70	1.54	1.39	1.27	1.16	1.07	0.98	0.91	0.84	0.78
Double		3.41	2.99	2.65	2.36	2.12	1.91	1.73	1.58	1.45	1.33	1.22	1.13	1.05	0.98	0.91	0.85	0.80
Multiple		4.11	3.61	3.20	2.86	2.57	2.32	2.11	1.92	1.76	1.62	1.49	1.38	1.28	1.19	1.12	1.04	0.98

BS EN 1991-1-4:
Appendix C.5.6.4: Partial safety factors for limit state design.
Load factors included within the load/span tables:

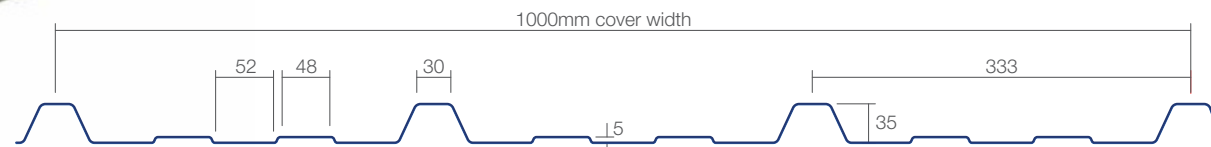
- Variable loads factor 1.5
- Permanent load factor 1.35
- Accidental load factor 1.0
- Serviceability load factor 1.0

Deflection

- Roofs - imposed loads - L/200
- Roofs - wind L/90
- Walls - wind L/90

AS35/1000 Roof Profile

A deep profile roof sheet which matches the AS35 insulated panel.
Available in 0.5 and 0.7mm thickness.



AS35/1000 steel roof profile Thicknes 0.5mm Weight 4.57 kg/m							
Bottom flange in compression Moment capacity: 0.471 kNm/m Moment of inerita: 5.305 cm ⁴ /m			Bottom flange in tension Moment capacity: 0.426 kNm/m Moment of inertia: 5.443 cm ⁴ /m			Support width: 40mm Web crushing: 4.200 kN/m Youngs modulus E: 210 kN/mm ²	
Imposed load	Working load UDL (kN/m ²) Deflection limit L/200						
Span / m	1.20	1.30	1.40	1.50	1.60	1.70	1.80
Single	1.58	1.34	1.16	1.01	0.89	0.79	0.70
Double	1.13	1.00	0.89	0.80	0.72	0.65	0.60
Multiple	1.34	1.19	1.06	0.96	0.87	0.79	0.72
Bottom flange in compression Moment capacity: 0.426 kNm/m Moment of inerita: 5.443 cm ⁴ /m			Bottom flange in tension Moment capacity: 0.471 kNm/m Moment of inertia: 5.305 cm ⁴ /m			Support width: 40mm Web crushing: 4.200 kN/m Youngs modulus E: 210 kN/mm ²	
Imposed load	Working load UDL (kN/m ²) Deflection limit L/90						
Span / m	1.20	1.30	1.40	1.50	1.60	1.70	1.80
Single	1.74	1.49	1.28	1.12	0.98	0.87	0.78
Double	1.07	0.94	0.84	0.75	0.68	0.62	0.56
Multiple	1.28	1.13	1.01	0.90	0.82	0.74	0.68

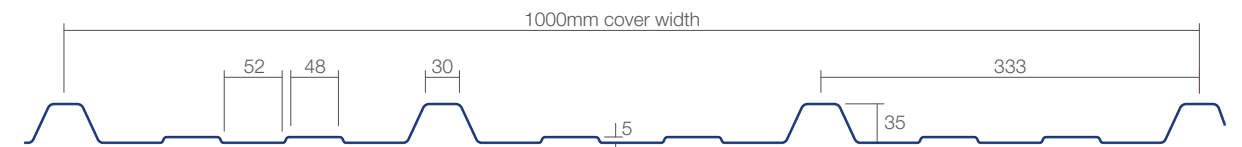
AS35/1000 steel roof profile Thickness 0.7mm Weight 6.49 kg/m²													
Bottom flange in compression Moment capacity: 0.709 kNm/m Moment of inertia: 8.320 cm⁴/m				Bottom flange in tension Moment capacity: 0.707 kNm/m Moment of inertia: 8.892 cm⁴/m				Support width: 40mm Web crushing: 8.506 kN/m Youngs modulus E: 210 kN/mm²					
Imposed load	Working load UDL (kN/m²) Deflection limit L/200												
Span / m	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
Single	2.62	1.30	1.92	1.68	1.47	1.30	1.16	1.04	0.91	0.78	0.68	0.60	0.53
Double	1.94	2.23	1.51	1.35	1.21	1.10	1.00	0.91	0.83	0.77	0.71	0.66	0.61
Multiple	2.33	1.70	1.82	1.63	1.47	1.33	1.21	1.10	1.01	0.93	0.86	0.80	0.74
Bottom flange in compression Moment capacity: 0.707 kNm/m Moment of inertia: 8.892 cm⁴/m				Bottom flange in tension Moment capacity: 0.709 kNm/m Moment of inertia: 8.320 cm⁴/m				Support width: 40mm Web crushing: 8.506 kN/m Youngs modulus E: 210 kN/mm²					
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90												
Span / m	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
Single	2.63	2.24	1.93	1.68	1.48	1.31	1.17	1.05	0.95	0.86	0.78	0.71	0.66
Double	1.93	1.70	1.51	1.35	1.21	1.10	1.00	0.91	0.83	0.77	0.71	0.65	0.61
Multiple	2.32	2.05	1.82	1.63	1.46	1.33	1.21	1.10	1.01	0.93	0.86	0.80	0.74

Bold type: Spans between 1.20 -1.80m Non-fragile

Normal type: Spans above 1.80m Fragile

AS35/1000 Wall Profile

A deep profilesheet which matches the AS35 insulated panel. Available in 0.5 and 0.7mm thickness. AS35/1000 can also be used as a roof profile (see page 11 for load span tables).



AS35/1000 steel wall profile Thickness 0.5mm Weight 4.57 kg/m²																		
Bottom flange in compression Moment capacity: 0.851 kNm/m Moment of inerita: 10.886 cm⁴/m					Bottom flange in tension Moment capacity: 0.942 kNm/m Moment of inertia: 10.609 cm⁴/m					Support width: 40mm Web crushing: 8.399 kN/m Youngs modulus E: 210 kN/mm²								
Positive	Working load UDL (kN/m²) Deflection limit L/90																	
Span / m	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	2.70	2.80	
Single	3.49	2.97	2.56	2.23	1.93	1.74	1.55	1.39	1.26	1.14	1.04	0.95	0.87	0.80	0.74	0.69	0.64	
Double	2.14	1.89	1.68	1.50	1.36	1.23	1.12	1.02	0.94	0.87	0.80	0.74	0.69	0.65	0.60	0.57	0.53	
Multiple	2.55	2.26	2.01	1.81	1.63	1.48	1.35	1.24	1.14	1.05	0.97	0.90	0.84	0.78	0.73	0.69	0.65	
Bottom flange in compression Moment capacity: 0.942 kNm/m Moment of inerita: 10.609 cm⁴/m					Bottom flange in tension Moment capacity: 0.851 kNm/m Moment of inertia: 10.886 cm⁴/m					Support width: 40mm Web crushing: 8.399 kN/m Young modulus: 210 kN/mm²								
Negative	Working load UDL (kN/m²) Deflection limit L/90																	
Span / m	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	2.70	2.80	
Single	3.15	2.69	2.32	2.02	1.77	1.57	1.40	1.26	1.13	1.03	0.94	0.86	0.79	0.73	0.67	0.62	0.58	
Double	2.25	1.99	1.78	1.60	1.44	1.31	1.19	1.09	1.01	0.93	0.86	0.80	0.74	0.69	0.65	0.61	0.57	
Multiple	2.69	2.38	2.13	1.91	1.73	1.57	1.44	1.32	1.21	1.12	1.04	0.97	0.90	0.84	0.79	0.74	0.70	

AS35/1000 steel wall profile Thickness 0.7mm Weight 6.49 kg/m²																		
Bottom flange in compression Moment capacity: 1.414 kNm/m Moment of inerita: 17.784 cm⁴/m					Bottom flange in tension Moment capacity: 1.418 kNm/m Moment of inertia: 16.640 cm⁴/m						Support width: 40mm Web crushing: 17.012 kN/m Youngs modulus E: 210 kN/mm²							
Positive		Working load UDL (kN/m²) Deflection limit L/90																
Span / m	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	2.70	2.80	
Single	5.25	4.47	3.86	3.36	2.95	2.62	2.33	2.09	1.89	1.71	1.56	1.43	1.31	1.21	1.12	1.04	0.96	
Double	3.87	3.40	3.02	2.70	2.42	2.19	1.99	1.82	1.66	1.53	1.41	1.31	1.22	1.13	1.06	0.99	0.93	
Multiple	4.64	4.09	3.64	3.25	2.93	2.65	2.41	2.20	2.02	1.86	1.72	1.59	1.48	1.38	1.29	1.21	1.13	
Bottom flange in compression Moment capacity: 1.418 kNm/m Moment of inerita: 16.640 cm⁴/m					Bottom flange in tension Moment capacity: 1.414 kNm/m Moment of inertia: 17.784 cm⁴/m						Support width: 40mm Web crushing: 17.012 kN/m Young modulus: 210 kN/mm²							
Negative		Working load UDL (kN/m²) Deflection limit L/90																
Span / m	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	2.70	2.80	
Single	5.24	4.46	3.85	3.35	2.95	2.61	2.33	2.09	1.89	1.71	1.56	1.43	1.31	1.21	1.12	1.03	0.96	
Double	3.87	3.41	3.02	2.70	2.43	2.19	1.99	1.82	1.67	1.53	1.42	1.31	1.22	1.13	1.06	0.99	0.93	
Multiple	4.65	4.10	3.64	3.26	2.93	2.66	2.42	2.21	2.03	1.87	1.72	1.60	1.48	1.38	1.29	1.21	1.14	

BS EN 1991-1-4:

Appendix C.5.6.4: Partial safety factors for limit state design.
Load factors included within the load/span tables:

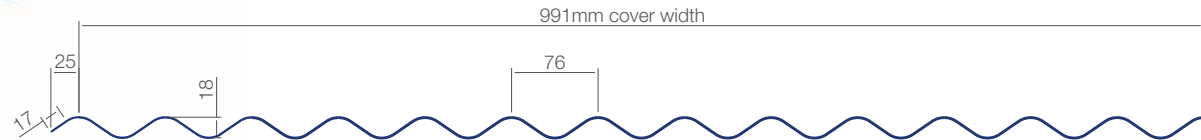
- Variable loads factor 1.5
- Permanent load factor 1.35
- Accidental load factor 1.0
- Serviceability load factor 1.0

Deflection

- Roofs - imposed loads - L/200
- Roofs - wind L/90
- Walls - wind L/90

AS13/3/990 S Roof Profile

Shallow corrugated profile sheet available in 0.5mm and 0.7mm thicknesses.



AS13/3/900 S steel roof profile Thickness 0.5mm Weight 4.57 kg/m							
Bottom flange in compression Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm ⁴ /m			Bottom flange in tension Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm ⁴ /m			Support width: 40mm Web crushing: 7.87 kN/m Youngs modulus E: 210 kN/mm ²	
Imposed load	Working load UDL (kN/m ²) Deflection limit L/200						
Span / m	1.20	1.30	1.40	1.50	1.60	1.70	1.80
Single	0.83	0.65	0.52	0.42	0.35	0.29	0.24
Double	1.37	1.08	0.87	0.70	0.58	0.48	0.41
Multiple	1.38	1.08	0.87	0.70	0.58	0.48	0.41
Bottom flange in compression Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm ⁴ /m			Bottom flange in tension Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm ⁴ /m			Support width: 40mm Web crushing: 7.87 kN/m Youngs modulus E: 210 kN/mm ²	
Imposed load	Working load UDL (kN/m ²) Deflection limit L/90						
Span / m	1.20	1.30	1.40	1.50	1.60	1.70	1.80
Single	1.60	1.37	1.16	0.94	0.77	0.65	0.54
Double	1.37	1.20	1.06	0.94	0.84	0.75	0.68
Multiple	1.67	1.46	1.29	1.14	1.02	0.92	0.83

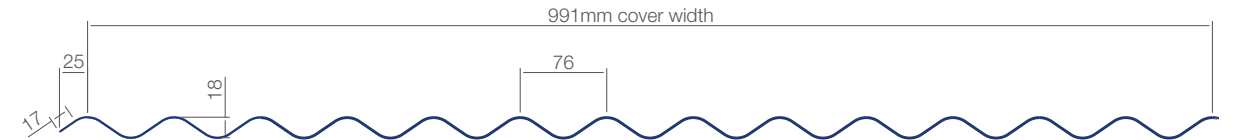
AS13/3/900 S steel roof profile Thickness 0.7mm Weight 6.49 kg/m²													
Bottom flange in compression Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm²/m				Bottom flange in tension Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm²/m				Support width: 40mm Web crushing: 19.827 kN/m Youngs modulus E: 210 kN/mm²					
Imposed load	Working load UDL (kN/m²) Deflection limit L/200												
Span / m	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
Single	1.18	0.93	0.74	0.60	0.50	0.42	0.35	0.30	0.25	0.22	0.19	0.17	0.15
Double	1.97	1.55	1.24	1.01	0.83	0.69	0.58	0.50	0.42	0.37	0.32	0.28	0.25
Multiple	1.97	1.55	1.24	1.01	0.83	0.69	0.58	0.50	0.42	0.37	0.28	0.28	0.25
Bottom flange in compression Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm²/m				Bottom flange in tension Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm²/m				Support width: 40mm Web crushing: 19.827 kN/m Youngs modulus E: 210 kN/mm²					
Wind uplift load	Working load UDL (kN/m²) Deflection limit L/90												
Span / m	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
Single	2.29	1.95	1.65	1.34	1.11	0.92	0.78	0.66	0.57	0.49	0.43	0.37	0.33
Double	2.27	1.95	1.68	1.46	1.29	1.14	1.02	0.91	0.82	0.75	0.68	0.62	0.55
Multiple	2.78	2.41	2.10	1.83	1.61	1.43	1.27	1.10	0.94	0.82	0.71	0.62	0.55

Bold type: Spans between 1.20 -1.80m Non-fragile

Normal type: Spans above 1.80m Fragile

AS13/3/990 S Wall Profile

A shallow corrugated profile sheet available in 0.5mm and 0.7mm thickness.



AS13/3/900 S steel wall profile Thickness 0.5mm Weight 4.57 kg/m²																		
Bottom flange in compression Moment capacity: 0.443 kNm/m Moment of inertia: 1.770 cm⁴/m					Bottom flange in tension Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm⁴/m					Support width: 40mm Web crushing: 7.870 kN/m Youns modulus E: 210 kN/mm²								
Positive	Working load UDL (kN/m²) Deflection limit L/90																	
Span / m	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	2.70	2.80	
Single	1.60	1.37	1.16	0.94	0.77	0.65	0.54	0.46	0.40	0.34	0.30	0.26	0.23	0.20	0.18	0.16	0.14	
Double	1.37	1.20	1.06	0.94	0.84	0.75	0.68	0.62	0.57	0.48	0.48	0.43	0.38	0.34	0.30	0.27	0.24	
Multiple	1.67	1.46	1.29	1.14	1.02	0.92	0.83	0.76	0.66	0.50	0.50	0.43	0.38	0.34	0.30	0.27	0.24	
Bottom flange in compression Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm⁴/m					Bottom flange in tension Moment capacity: 0.433 kNm/m Moment of inertia: 1.770 cm⁴/m					Support width: 40mm Web crushing: 7.870 kN/m Young modulus: 210 kN/mm²								
Negative	Working load UDL (kN/m²) Deflection limit L/90																	
Span / m	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	2.70	2.80	
Single	1.60	1.37	1.16	0.94	0.77	0.65	0.54	0.46	0.40	0.34	0.30	0.26	0.23	0.20	0.18	0.16	0.14	
Double	1.37	1.20	1.06	0.94	0.84	0.75	0.68	0.62	0.57	0.52	0.48	0.43	0.38	0.34	0.30	0.27	0.24	
Multiple	1.67	1.46	1.29	1.14	1.02	0.92	0.83	0.76	0.66	0.57	0.50	0.43	0.38	0.34	0.30	0.27	0.24	

AS13/3/900 S steel wall profile Thickness 0.7mm Weight 6.49 kg/m²																		
Bottom flange in compression Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm⁴/m					Bottom flange in tension Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm⁴/m						Support width: 40mm Web crushing: 19.827 kN/m Youns modulus E: 210 kN/mm²							
Positive		Working load UDL (kN/m²) Deflection limit L/90																
Span / m	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	2.70	2.80	
Single	2.29	1.37	1.16	0.94	0.77	0.65	0.54	0.46	0.40	0.34	0.30	0.26	0.23	0.20	0.18	0.16	0.14	
Double	2.27	1.20	1.06	0.94	0.84	0.75	0.68	0.62	0.57	0.52	0.48	0.43	0.38	0.34	0.30	0.27	0.24	
Multiple	2.78	1.46	1.29	1.14	1.02	0.92	0.83	0.76	0.66	0.57	0.50	0.43	0.38	0.34	0.30	0.27	0.24	
Bottom flange in compression Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm⁴/m					Bottom flange in tension Moment capacity: 0.618 kNm/m Moment of inertia: 2.529 cm⁴/m						Support width: 40mm Web crushing: 19.827 kN/m Young modulus: 210 kN/mm²							
Negative		Working load UDL (kN/m²) Deflection limit L/90																
Span / m	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	2.70	2.80	
Single	2.29	1.95	1.65	1.34	1.11	0.92	0.78	0.66	0.57	0.49	0.43	0.37	0.33	0.29	0.26	0.23	0.21	
Double	2.27	1.95	1.68	1.46	1.29	1.14	1.02	0.91	0.82	0.75	0.68	0.62	0.55	0.48	0.43	0.38	0.34	
Multiple	2.78	2.41	2.10	1.83	1.61	1.43	1.27	1.10	0.94	0.82	0.71	0.62	0.55	0.48	0.43	0.38	0.34	

BS EN 1991-1-4:

Appendix C.5.6.4: Partial safety factors for limit state design.
Load factors included within the load/span tables:

- Variable loads factor 1.5
- Permanent load factor 1.35
- Accidental load factor 1.0
- Serviceability load factor 1.0

Deflection

- Roofs - imposed loads - L/200
- Roofs - wind L/90
- Walls - wind L/90

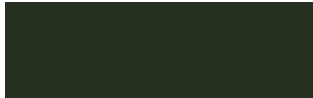
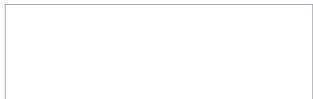
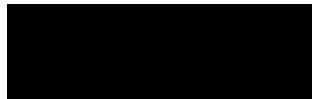
Colour & Performance

Colours

The table below shows available standard profile colours*. Special colours are also available on request.

The printed colours shown are for guidance only. For a true representation please ask us to send an actual metal swatch.

To ensure tonal consistency between components for a single contract, material should come from the same production batch and therefore should be placed as one order. Go onto TATA Steels website for up to date colours.

Plastisol durability group colours			
	Goosewing Grey* 10A05		Merlin Grey* 18B25
	Moorland Green 12B21		Olive Green 12B275
	Juniper Green* 12B29		Slate Blue* 18B29
	Terracotta* 04C395		Van Dyke Brown* 08B29
	White 00E55		Black 00E53
	Anthracite RAL 7016		

*The colours include the nearest British Standard reference for guidance only as the colours may vary slightly.

Plastisol durability group colours	
Group 1	Anthracite, Albatross, Bamboo, Buttermilk, Goosewing Grey, Ivory, Merlin Grey, Moorland Green, Mushroom, New Grey, Olive Green, Pigeon Grey, Wedgwood Blue, White, Willow.
Group 2	Black, Cornflower Blue, Country Green, Forest Green, Golden Glow, Golden Yellow, Jade, Juniper Green, Linden Green, New Red, Ocean Blue, Pacific Blue, Poppy Red, Saffron, Sage Green, Slate Blue, Terracotta, Tangerine Orange, Vandyke Brown.

Plastisol life expectancy to first full repaint				
	Wall Profiles		Roof Profiles	
	Inland	Costal**	Inland	Costal**
Group 1	25	25	20	20
Group 2	20	15	5	10

**Within 2km from the sea.

Steadmans are able to offer material with extended warranty periods. For information on expected performance and warranty periods for all materials please contact Steadmans technical department.

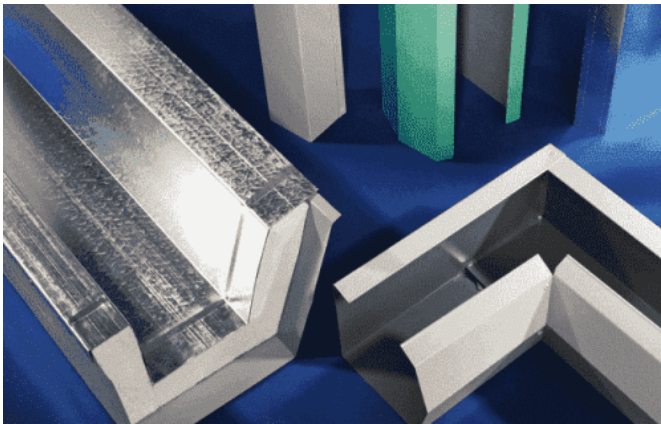
Plastisol durability group colours		
Weather Sheet	200LG 200 micron	200 micron high performance pre-painted steel system on a hot dipped substrate. The outer face is finished with a leather-grain embossed PVC while the inner face is finished with a heat cured epoxy paint system.
	Polyester	25 micron polyester coating with a medium term life.
	Agri-Steel	Double sided 35/35 micron polyester coating recommended for the agricultural market. Agri-Steel has a superior interior paint finish when compared to standard polyester.
	HPS200 Ultra	200 micron durable organic coating with Scintilla finish on a substrate treated with hot dipped zinc-aluminium alloy.
	Prisma	40-65 micron high performance pre-painted steel system on a Galvalloy® metallic coated substrate

Accessories

Gutters

Steadmans can supply a range of gutters, manufactured to customers design. Gutters can be manufactured from a variety of materials including pre-galvanised steel, single or double sided coated steel.

Complete gutter systems and accessories can be manufactured to specification, up to 10m long and 3mm thick, subject to the gutter profile.



Flashings

Steadmans can manufacture flashings to match the colour and coating type of the single skin cladding. Flashings can be supplied in lengths of up to 6m to the customers design.



Sealants

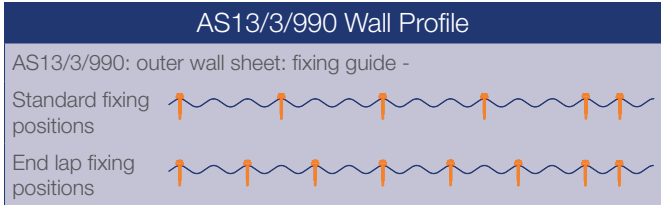
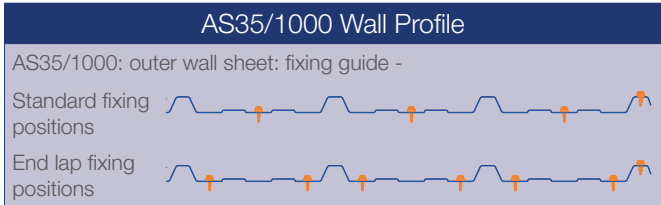
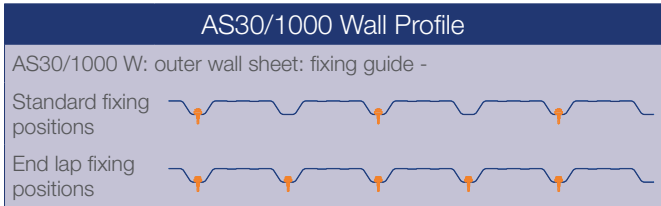
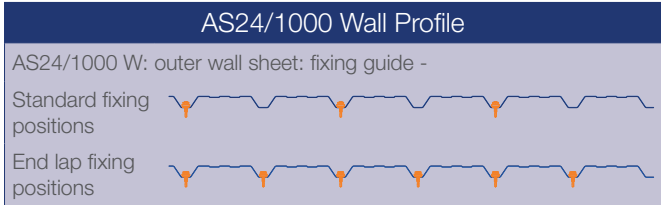
Steadmans supply a range of NFRC Class A butyl sealants, profile foam fillers and expanding foams to enable the Steadmans single skin profiles to be sealed to each other and to other building components, to avoid water ingress and air leakage.



Design Guidance

Fixings

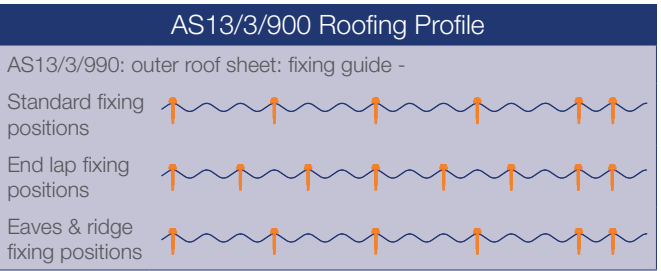
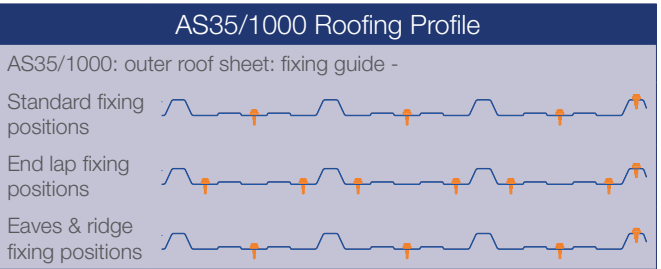
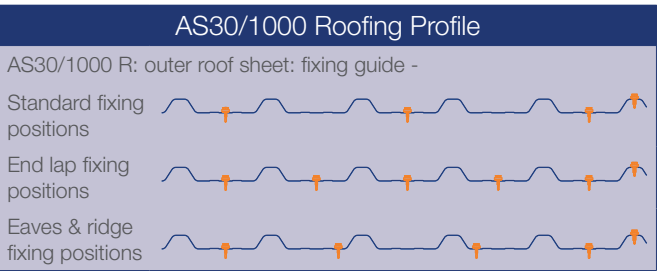
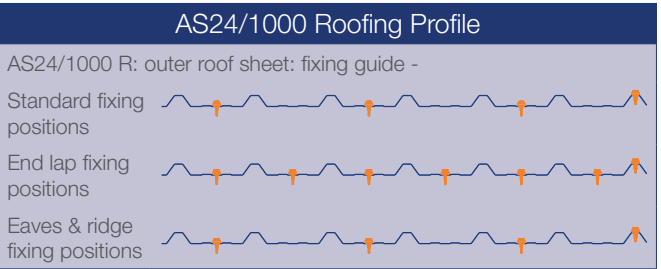
Fixings for roof profiles provide restraint against wind uplift forces; those for wall profiles provide restraint and support. The profiles must be fixed through valleys of the profile, therefore accurate fixing is easier to achieve, loads on the fixings are smaller, the fixings are less likely to distort the profile, and better compression of the sealant is achieved at end laps.



Weather sheets should be fixed directly to the purlins. Consult Steadmans' Technical Department for guidance on fixing sheets in extreme exposure conditions. The AS13/3/990 corrugated profiles should be fixed through the crowns of the corrugations.

Fixings should be stainless steel or carbon-steel self drilling screws, have press-on or integral caps to match the colour of the profile and a 19mm (roof) or 16mm (wall) diameter EDPM washer to prevent water penetration.

Fixings to light and heavy section steel should pass through the steel and leave 5mm of thread exposed on the underside of the section. Fixing to timber must achieve a AS24/1000 Wall Profile minimum 40mm embedment.



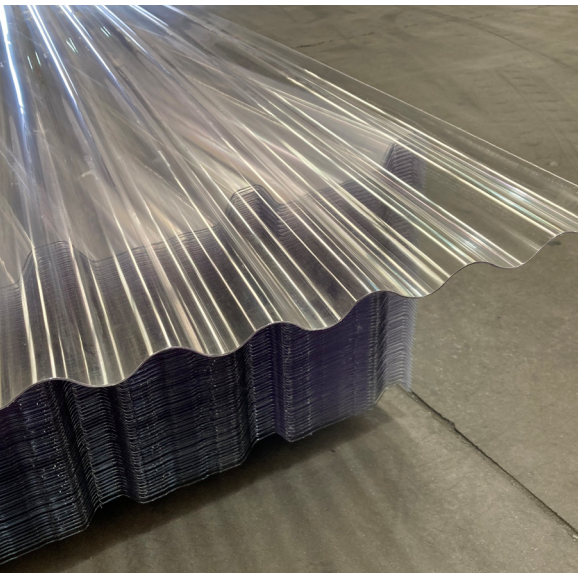
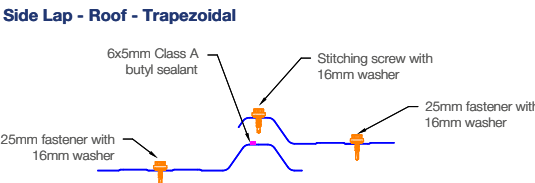
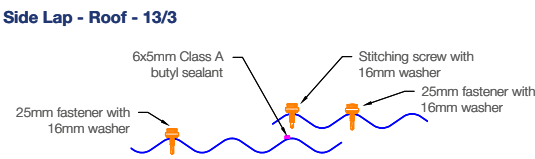
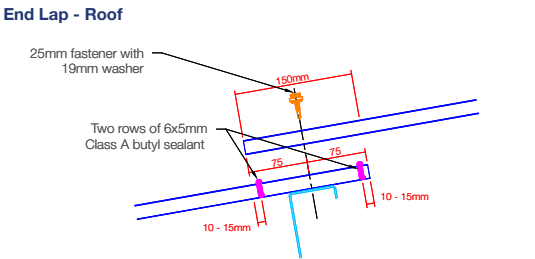
Laps

Side laps between sheets are formed by lapping the female side of one sheet over the male crown of the adjacent sheet. It is considered best practice that the exposed edge of the lap should face away from the prevailing wind.

The side laps of weather sheets should be sealed with butyl sealant strip 6 x 5mm high. Weather sheet side laps on roofs should be stitched with self drilling stitching screws at 450mm centres.

For wall applications, stitch at 500mm centres for vertical sheets and 600mm for horizontal sheets.

End laps are formed by lapping the upper weather sheet 150mm over the lower sheet. End laps of weather sheets should be sealed with two runs of butyl sealant strip 6 x 5mm high applied 10 - 15mm from each end of the lap and fixed with 25mm fasteners.



Rooflights

Steadmans can supply rooflights to match all of our single skin profiled sheets.

Rooflights can be supplied in weights and grades to suit project requirements.

Fragility ratings to ACR(M)001:2019, 6th edition, Class B can be achieved for an expected duration of up to 30 years, dependent on weight and installation.

Rooflights can achieve Fire Performance that meets the requirements of the building regulations.

For further information on rooflights, including installation guidance from the rooflight manufacturer, please contact Steadmans technical department.

Sitework

Handling & Storage

Steadmans profiles are delivered to site in packs. Packing sheets are used at the top and bottom of the packs to provide protection and the ends of the packs are wrapped with plastic. Maximum pack weight is 2 tonne.

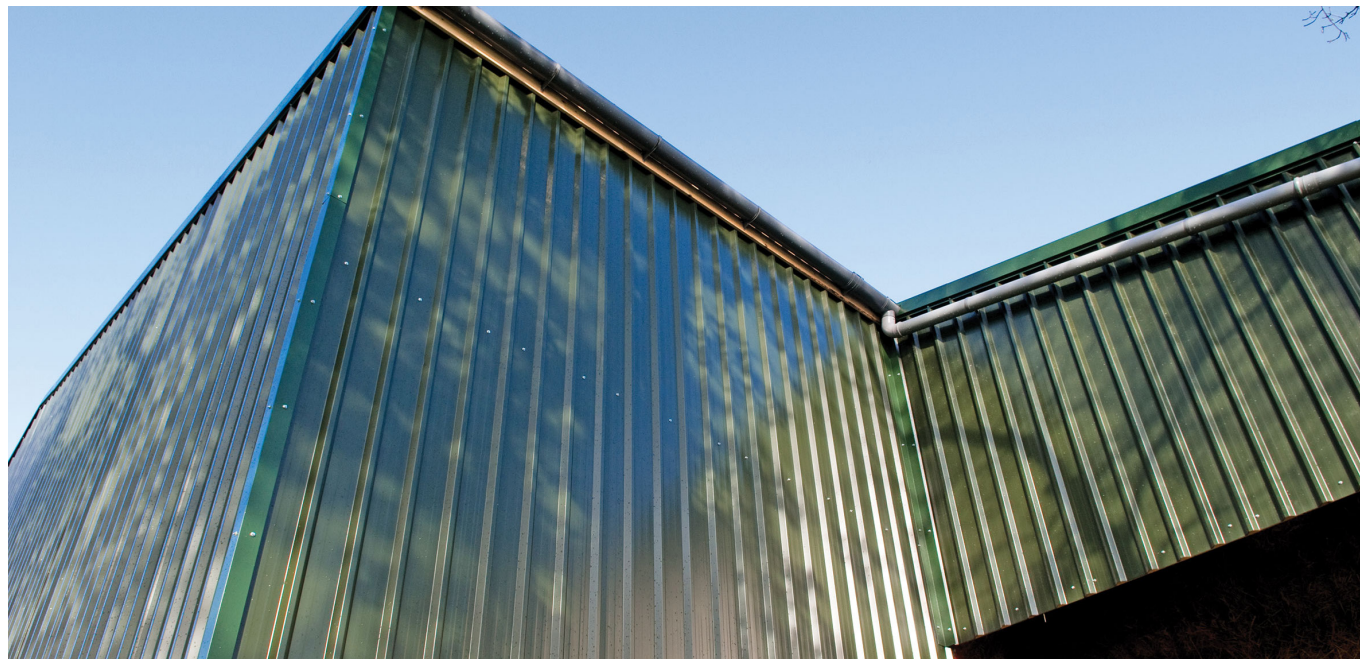
The packs can be off-loaded directly onto the roof, or to a storage area, which should be dry and well away from traffic. Packs may be stacked using suitable wooden bearers and packers. Bearers should be placed in line with each other in between the packs. Handle the cladding sheets carefully to avoid marking the weather sheets. Lift sheets from the pack –do not drag them. Observe site health and safety procedures at all times as well as the results of manual handling and other assessments carried out on site.

Preparation

Single skin roof and wall systems are designed to be supported by and fixed to steel purlins. Primary steelwork should be within the tolerances given in National Structural Steelwork Specification for Building Construction (NSSS) and BS EN 1090-2:2018. Secondary steelwork should be within the tolerances of SCI publication P346 “Best Practice for the Specification and Installation of Metal Cladding and Secondary Steelwork”. MCRMA Guidance documents GD 20 “Guidance document on serviceability states and deflection criteria”, GD 24 “Installation of purlins and side rails” and GD27 “Installed tolerances: best practice design guide” offer useful additional information.

Before fixing any sheets check the squareness and accuracy of the steelwork. Lay into the prevailing wind direction if possible so that laps face away from the wind direction.

Inspect packs and record any damage or shortages on the delivery paperwork. Report any damage or shortages to Steadmans, backed by photos, within 48 hours of delivery.



Walls: Laying Sequence

The following sequence applies to weather sheets on walls:

1. Set sheet one upright against the framing at the corner of the building with the female edge to the corner. Make sure the profile is vertical.
2. Fix with one fixing in alternate valleys at each rail.
3. Apply a run of butyl sealant along the male crown.
4. Set sheet two upright with its female edge lapping the male edge of sheet one.
5. Fix the sheet.
6. Stitch the lap with self-drilling fixings @ 600mm centres.
7. Continue to lay sheets along the wall, checking the alignment of the cladding and correcting any deviations.
8. Fix flashings. Use foam filler pieces and butyl sealant to form weather tight junctions.

Cutting Profiles

Where profiles have to be cut on site:

- Use a powered nibbler, reciprocating saw or circular saw. Do not use an abrasive wheel.
- Support the profile along the line of the cut.
- Protect the pre-coated finishes of the profile.
- Clean any swarf or debris from the pre-coated finish of the profile immediately.

Completion

When all the sheets have been installed check:

- All fixings are correctly fitted and tightened.
- The fixings do not distort the profile.
- All fixing caps are fitted.
- Minor scratches have been treated.
- The surface of the roof is clean and free of any swarf or debris.

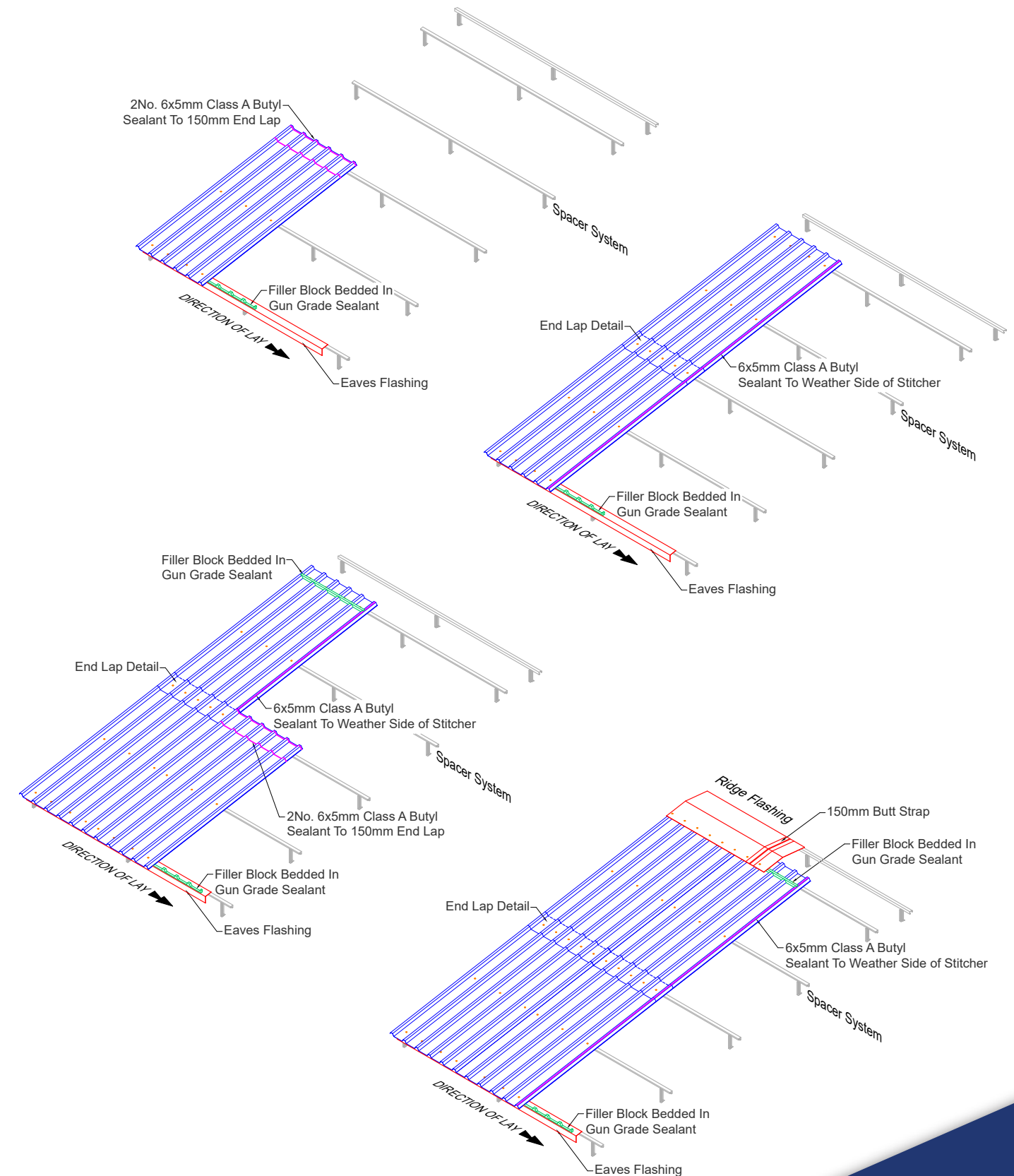
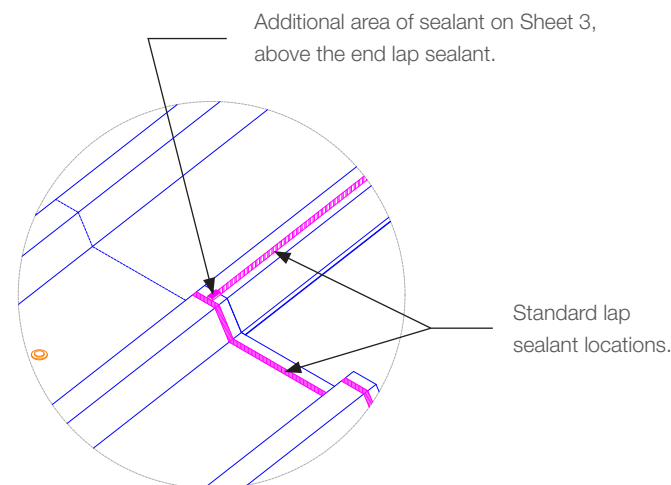
Roof Sheet Installation Guide

- Side laps should ideally face away from the prevailing wind.
- Establish the setting out dimension (should be indicated in the roof construction drawings).
- Set out a line at 90 degrees to the gutter line.
- Install eaves flashing.
- Install eaves filler blocks, bedded in sealant top and bottom.
- Install cladding sheets as shown in the diagram, working from eaves to ridge before installing the second tier. Lay sheets with the male rib leading.
- Fully fix profiles as you proceed. Use fasteners with 19mm dia washers. Partial fixing/fly-fixing is dangerous.
- End laps 150mm.
- Install end laps 6 x 5mm Class A butyl sealants 10 - 15mm from sheet ends. Overlap any joins in sealant strips by 25mm.
- Install side lap 6 x 5mm Class A butyl sealant to the weather side of the stitcher fasteners line.
- 4-way lap detail: See diagram. Remembering the extra short strip of sealant on top of the 3rd sheet in the 4 way lap, to seal the gap where sealant is covered over.
- Install stitcher fasteners at 450mm max spacing.
- Install ridge filler blocks, bedded both sides in sealant.
- Install ridge and verge flashings to the project specific construction drawing detail.
- Ridge and verge flashings, 75mm laps (open sections) or 150mm butt straps (closed sections), as specified.
- Fix ridge caps to every crown using stitcher screws.

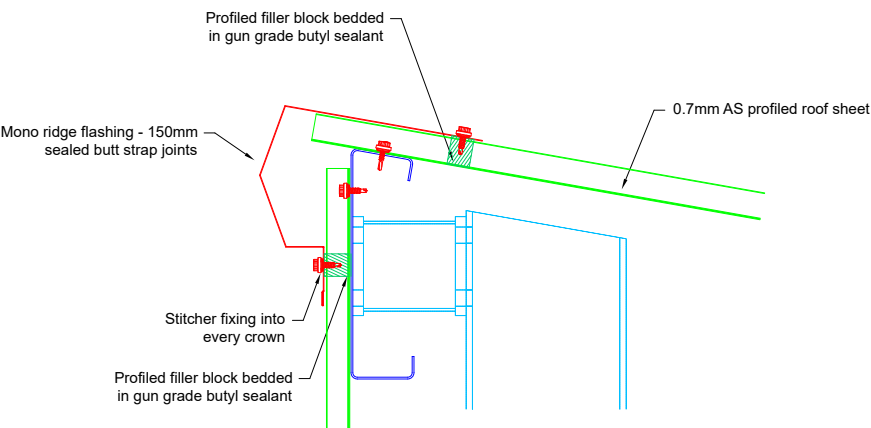
- Fix verge flashings to ribs or to mini zed spacers in turn fixed to the spacer bar, flashing fasteners at max 450mm centres.
- Seal flashings with 6 x 5mm butyl sealant or gun applied butyl sealant, as specified. Apply sealant either side of the fasteners, 10 - 15mm from flashing edges.
- Where profiles have to be cut on site:
 - Use a power nibbler, reciprocating saw or circular saw. Do not use an abrasive wheel.
 - Support the profile along the line of the cut.
 - Protect the pre-coated finishes of the profile.
 - Clean any swarf or debris from the pre-coated finish of the profile immediately.
- Minor scuffing of the colour coating should not be treated.
- Deeper scratches which reach the substrate should be repaired with touch-up paint.

The touch-up paint should only be applied to the original scratch using a fine paint brush.

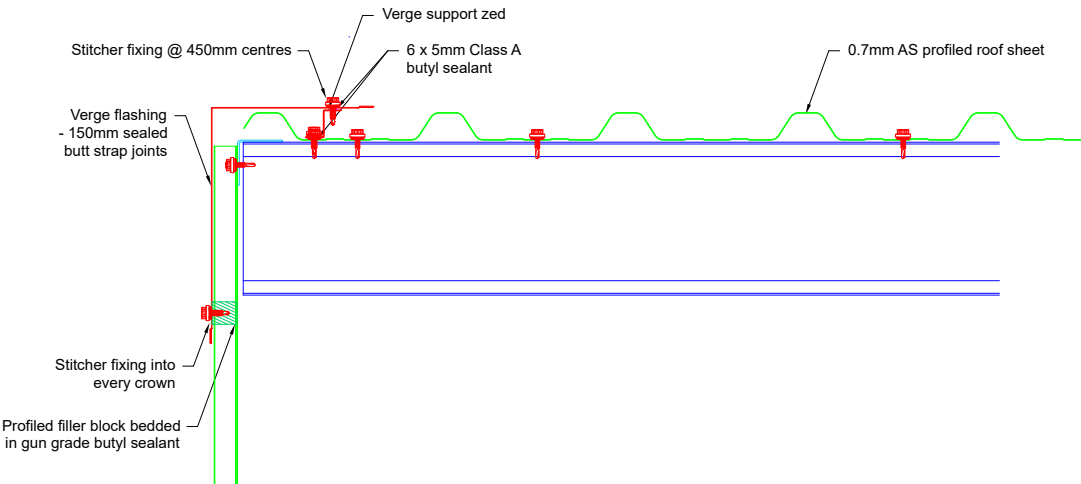
As touch-up paint will dry a slightly different colour than the original coating, the area which is touched up should be kept as small as possible.
- Keep foot traffic and following trades traffic to a minimum.



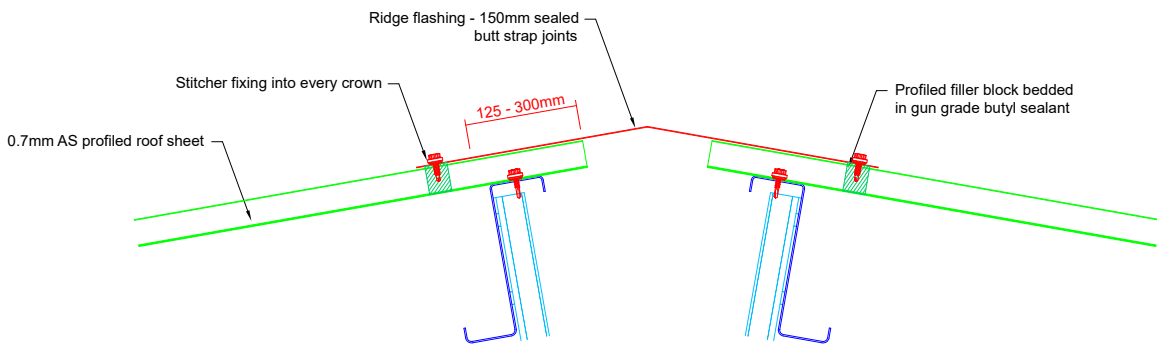
Mono Ridge



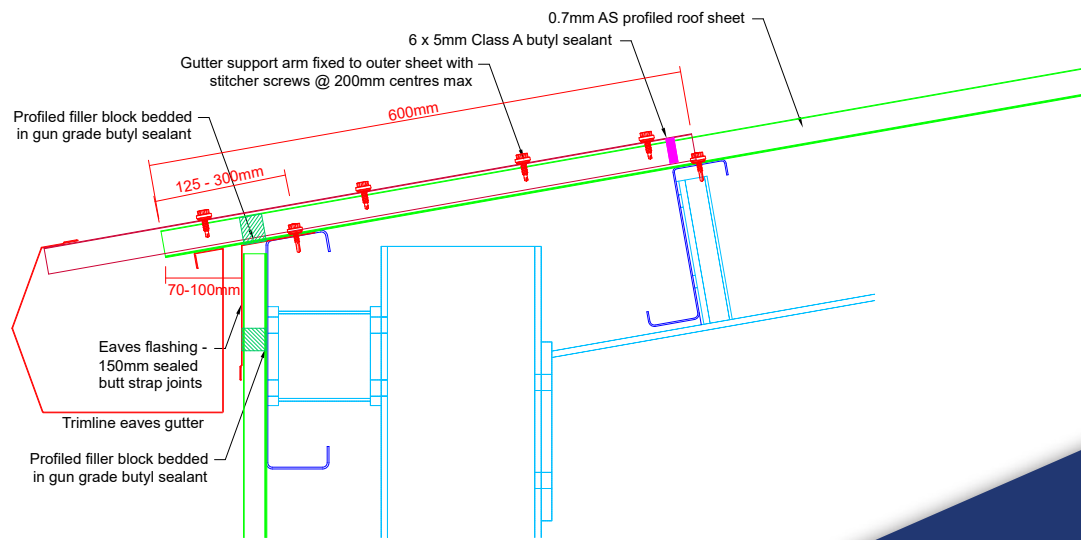
Verge



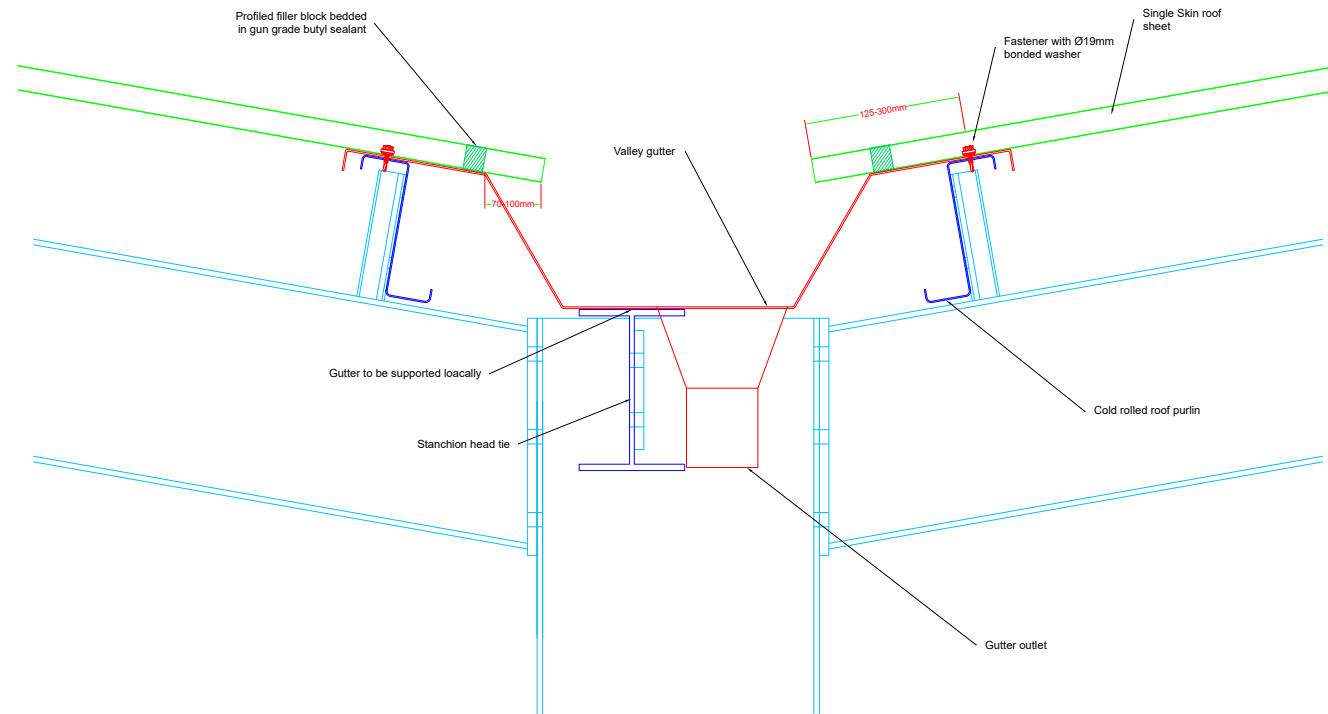
Ridge



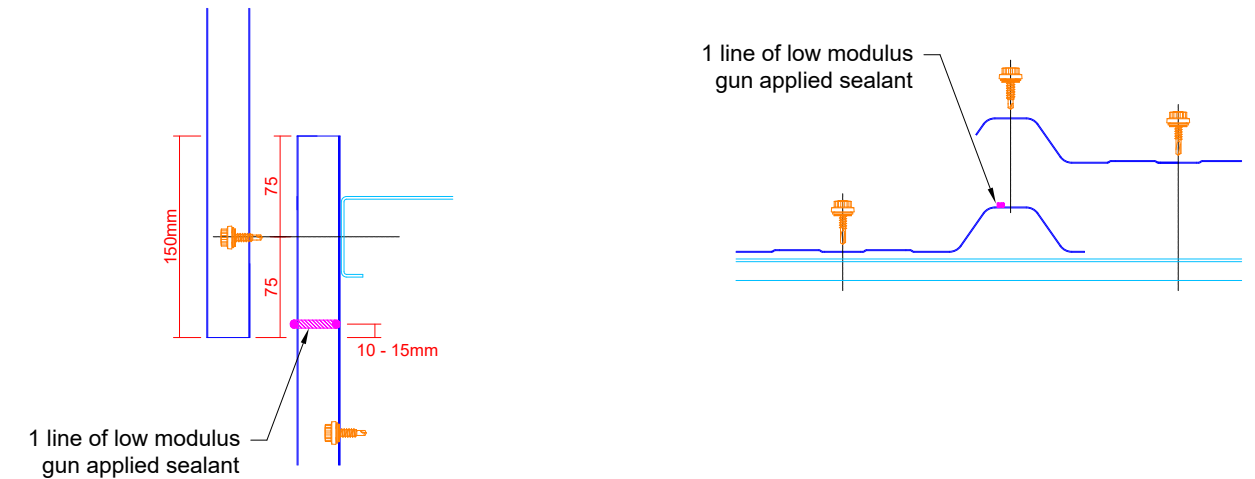
Eaves



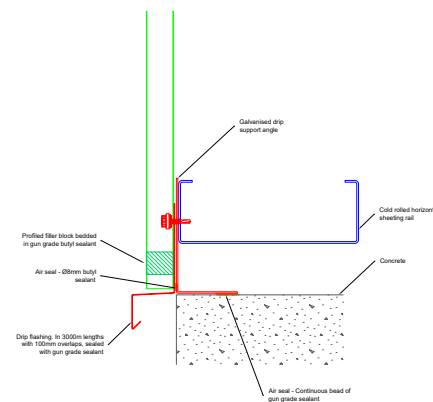
Valley Gutter



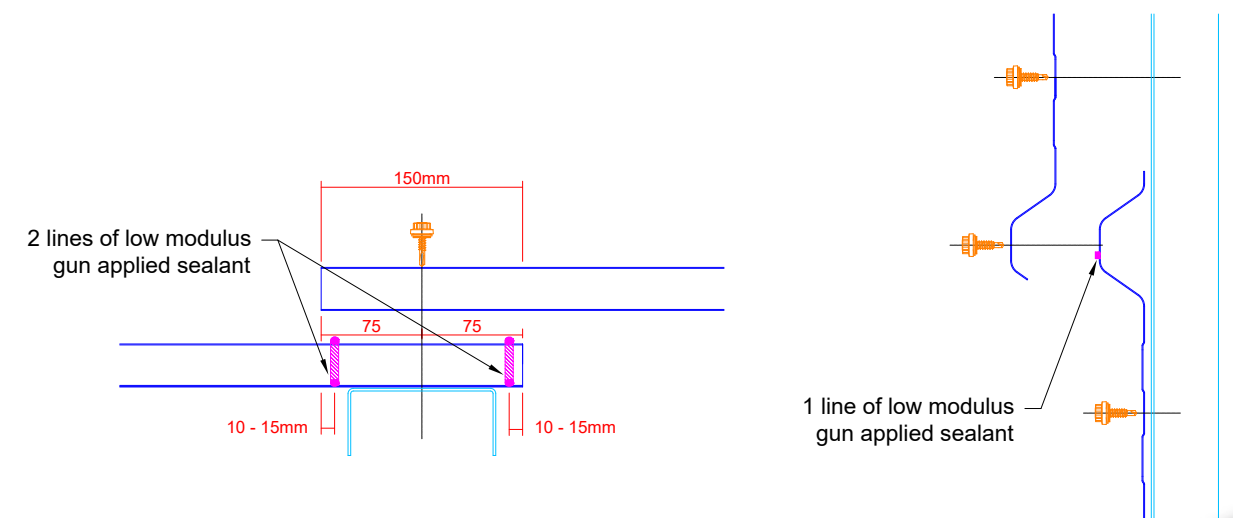
Wall End-Lap Vertical



Drip Detail



Wall End-Lap Horizontal



Maintenance

Supply & Delivery

All Steadmans Single Skin profiles are manufactured at Steadmans. Steadmans Single Skin profiles are supplied banded and in a protecting profiled packing sheet and are usually delivered direct to site. Off loading is the responsibility of the customer. Delivery by self off-load vehicles can be arranged.

Annual Inspection

It is good practice to carry out annual inspection of the building exterior and to carry out any remedial work identified during the inspection, see table below.

This list is provided solely as prompt for examiners and should not be construed as exhaustive or all encompassing.

Annual Inspection	
Inspection Item	Action ^{A)}
Establish a safe method of work	Beware working on fragile roofs, ensure safety equipment e.g. static lines and other access equipment are in good working order and that you have been suitably trained / qualified in their use. Follow any site permitting procedures.
Leaks, inspect from inside, remember the internal visible signs may not be at the actual entry point	Repair as soon as possible and do not leave until annual maintenance.
Damage or decay	Repair or replace as necessary.
Accumulated debris e.g. trapped leaves or pine needles	Clear away debris to suitable disposal.
Gutters and drain pipes clean, and free draining	Clear away debris to suitable disposal. Repair or replace cracked or damaged components.
Gutter joints defective sealant or loose bolts	Repair.
Loose ridge or other flashings	Repair.
Missing foam fillers or evidence of damage by birds	Replace.
Staining caused by ponding or water	Seek advice from a roofing specialist.
Discoloured areas of the surface coating	Inspect the surface coating and attend to any peeling corrosion or other evident deterioration, as necessary.
Discoloured areas around fume extract ducts should be closely inspected	Re-coat without delay where attack of the coating has occurred.
Dirty rooflights	Ensuring suitable fall protection, clean to maintain light transmission.
Evidence of access to the roof e.g. for maintenance of ventilators	Touch-up any scratches in coating.
Missing/faded colour caps from fasteners	Replace.
Missing fasteners	Investigate and replace.
Corroded or degraded fastener (including sealing element)	Seek advice on replacement.
Loose fasteners, e.g. where the washer is not in contact with the sheet	Tighten only fasteners that are loose and investigate the cause.
Sealants visible on roof surface	Seek advice on replacement and suitability of the sealant.

^{A)} Where any defects are discovered, these should be reported to the client. Some of these items might be covered by a product/system guarantee, which should be pursued via the contractual chain.

Technical Support

Steadmans offers comprehensive technical support to designers and contractors working with Steadmans profiles, including:

- Made-to-measure flashings manufactured to your drawings
- Technical brochures and data sheets for all Steadmans products
- CAD details
- Copies of test certificates
- Fixing calculations
- Design and installation guidance

Our website offers full product and application information and downloads of construction details in AutoCAD and PDF formats.

www.steadmans.co.uk

Steadmans are always happy to provide advice on the specification of our single skin system and all of our other products for refurbishment and new build projects.

Speak to our Technical Department to find out more.

01697 478 277 | technical@steadmans.co.uk



Let's Work Together

Whether you're working on a large-scale industrial build, a modular project, or a bespoke agricultural installation, our team is here to help

Steadmans offers nationwide service, with expert support at every stage from specification to delivery.

Steadmans

Warnell, Welton

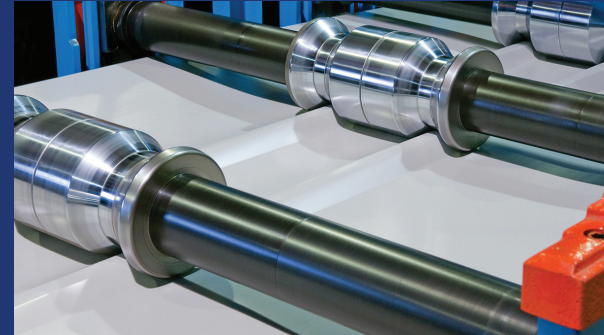
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Whatever your project requirements, Steadmans has the products, capabilities, and technical expertise to deliver.

Get in touch with our team today for quotes, advice or to arrange a site meeting.





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