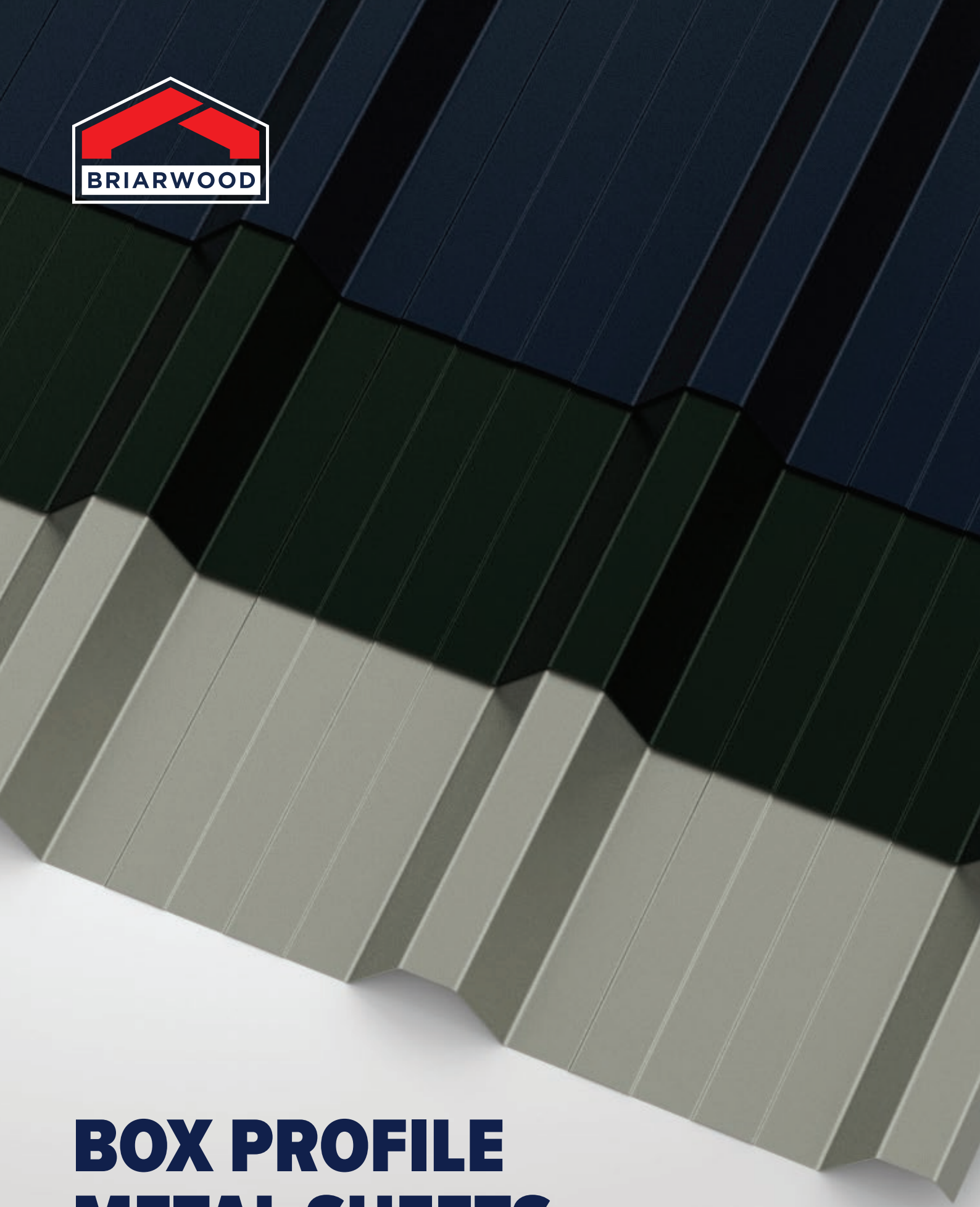


BOX PROFILE METAL SHEETS

March 2026

More than just a fibre cement manufacturer

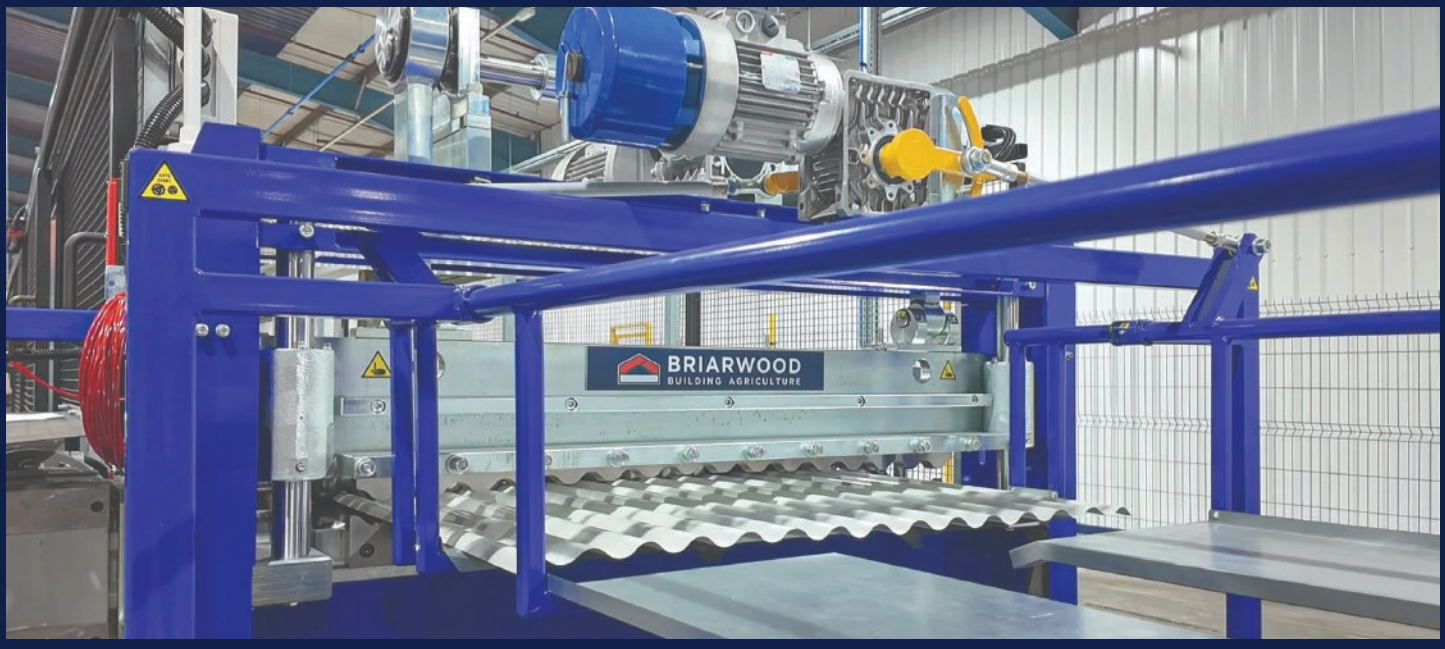
Briarwood has long been recognised as a leading supplier of fibre cement roofing products. Building on this heritage, we have invested heavily in expanding our manufacturing capabilities in the UK, enabling us to produce our own range of single skin metal roofing and cladding sheets. This includes box profile sheets, corrugated profiles, and custom folded flashings manufactured to suit a wide range of building applications.

Bringing production in-house allows us to maintain full control over quality, lead times and product availability. By manufacturing our own steel roofing and cladding sheets, we are able to respond quickly to customer requirements while ensuring consistent standards across every order.

Our production facilities allow sheets to be manufactured to length, reducing waste on site and making installation quicker and more efficient for contractors and installers.

Alongside standard box profile and corrugated sheets, we also manufacture a wide range of folded flashings and bespoke fabrications to support complete roofing and cladding systems.

This investment in UK manufacturing allows Briarwood to supply reliable, high-quality steel roofing products with fast turnaround times, supporting projects across agricultural, industrial, commercial and domestic sectors.



32/1000 Box Profile

32/1000 Box Profile is a strong and versatile steel sheet designed for roofing and cladding across agricultural, industrial, commercial, and domestic buildings.

Deep trapezoidal ribs provide excellent structural strength while keeping the sheet lightweight and easy to handle. This profile shape increases rigidity, allowing sheets to span efficiently between supports while maintaining a clean and consistent appearance once installed.

Suitable for roof sheeting, vertical wall cladding, and liner sheets within twin-skin insulated systems, making it a practical solution for a wide range of building types.

Manufactured from coated steel and available in a range of colours and finishes, 32/1000 Box Profile provides a durable and cost-effective cladding solution for modern steel buildings.

Advantages

- From 5 degrees roof pitch
- Suitable for horizontal and vertical mounting
- Easy installation
- Stronge traditional box profile
- Used and trusted by farmers for generations for farm buildings
- 30-year guarantee available*

Common applications include

Livestock housing

Grain stores

Commercial

General purpose buildings

Workshops/storage sheds

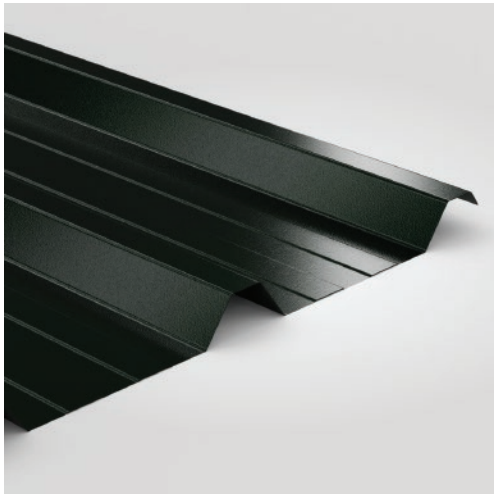
Industrial warehouses

Technical data

Cover width:	1000 mm
Centre-to-centre distance:	200 mm
Profile height:	32 mm
Weight [kg/m^2]:	0.5mm: 5.7 0.7mm: 6.4
Steel thickness:	0.5mm and 0.7mm Different thicknesses available upon request if required
Coating:	Gloss Polyester, Leathergrain PVC Plastisol and Plain Galvanised (such as HPS200, TATA materials and others)
	Addon: Anti-condensation felt available on roof profile*
Minimum length:	500 mm
Maximum length:	8000 mm (Up to 15,000 mm upon special requests)
CE-marking:	BS EN 14782
Tolerances:	BS EN 14782

Leathergrain PVC Plastisol come with a 30-year manufacturer guarantee!

ROOF PROFILE



The Briarwood 32/1000 Box Profile roofing sheet is roll-formed with deep trapezoidal ribs to provide excellent strength and load-bearing performance while remaining lightweight. The rib design increases rigidity and allows the sheet to span efficiently between purlins.

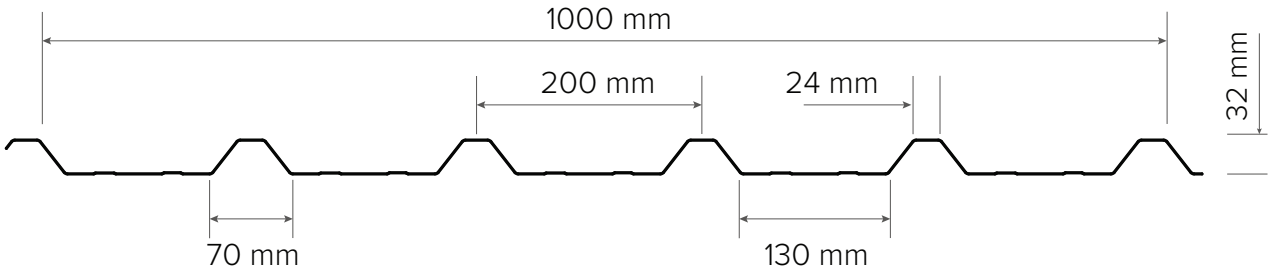
Additional stiffening ribs help prevent oil-canning and improve durability, while the profile shape promotes fast water run-off, making it a reliable solution for agricultural, industrial, and commercial roofing applications.

Profile details

Installation from left to right

32/1000 Roof Profile

Swages are standard but can be supplied without if requested*



Load/Span Table

Characteristic Positive Load

Loads in kN/m^2 | Spans in metres

Span Condition:		1.20	1.30	1.40	1.50	1.60	1.70	1.80
1 Span	0.7 Roof	3.78	3.23	2.78	2.42	2.13	1.78	1.50
2 Span	0.7 Roof	2.72	2.38	2.10	1.86	1.67	1.50	1.36
≥3 Span	0.7 Roof	3.29	2.88	2.55	2.27	2.03	1.83	1.66

Characteristic Negative Load

Loads in kN/m^2 | Spans in metres

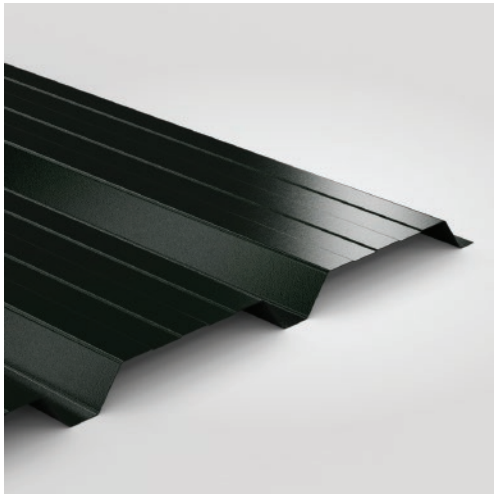
Span Condition:		1.20	1.30	1.40	1.50	1.60	1.70	1.80
1 Span	0.7 Roof	3.27	2.78	2.40	2.09	1.84	1.63	1.45
2 Span	0.7 Roof	2.99	2.62	2.32	2.07	1.85	1.67	1.51
≥3 Span	0.7 Roof	3.61	3.17	2.81	2.50	2.25	2.03	1.84

Typical purlin spacings for 0.7mm **Roof:** 1.5-2m

WALL PROFILE

The Briarwood 32/1000 Box Profile cladding sheet is roll-formed with deep trapezoidal ribs to maximise strength while keeping the sheet lightweight. The rib design increases rigidity and spanning capability between supports.

Intermediate stiffening ribs help prevent oil-canning and maintain a flat appearance, while the profile shape promotes effective water run-off and long-term durability for wall cladding applications.



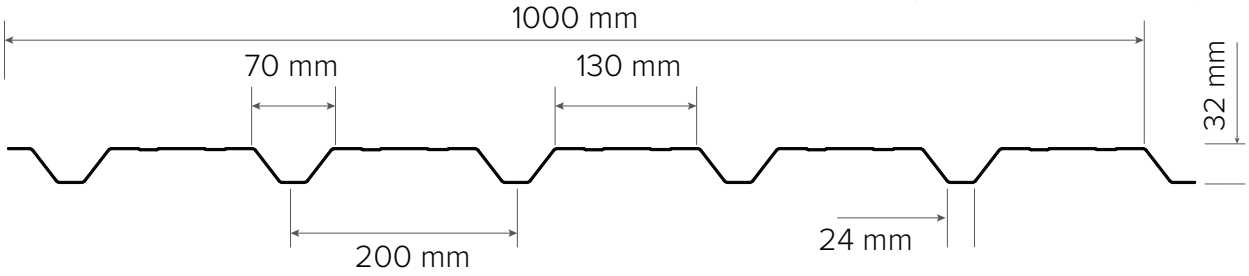
Profile details

Installation from left to right

Swages are standard but can be supplied without if requested*

32/1000 Wall Profile

(Available upon request)



Load/Span Table

Characteristic Positive Load

Loads in kN/m^2 | Spans in metres

Span Condition:		1.20	1.30	1.40	1.50	1.60	1.70	1.80
1 Span	0.7 Wall	3.27	2.78	2.40	2.09	1.84	1.63	1.45
2 Span	0.7 Wall	2.99	2.62	2.32	2.07	1.85	1.67	1.51
≥3 Span	0.7 Wall	3.61	3.17	2.81	2.50	2.25	2.03	1.84

Characteristic Negative Load

Loads in kN/m^2 | Spans in metres

Span Condition:		1.20	1.30	1.40	1.50	1.60	1.70	1.80
1 Span	0.7 Wall	3.78	3.23	2.78	2.42	2.13	1.89	1.68
2 Span	0.7 Wall	2.72	2.38	2.10	1.86	1.67	1.50	1.36
≥3 Span	0.7 Wall	3.29	2.88	2.55	2.27	2.03	1.83	1.66

Typical purlin spacings for 0.7mm **Wall:** 1m

COLOUR RANGE

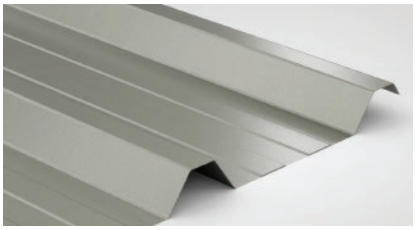
Our 32/1000 Box Profile sheets are available in a wide range of colours and finishes held in stock for fast production.

Leathergrain PVC Plastisol

Standard colour range

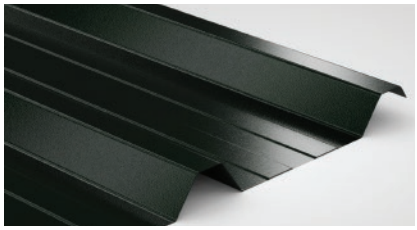
PVC Plastisol 30-Year Guarantee

Goosewing Grey



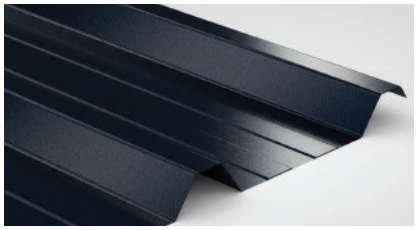
0.5mm / 0.7mm

Juniper Green



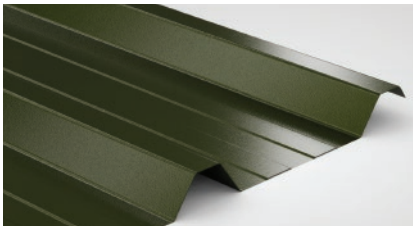
0.5mm / 0.7mm

Slate Blue



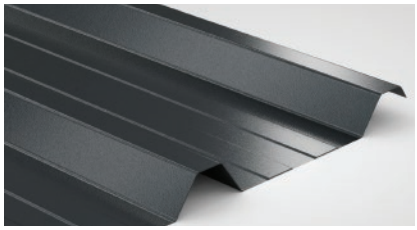
0.5mm / 0.7mm

Olive Green



0.5mm / 0.7mm

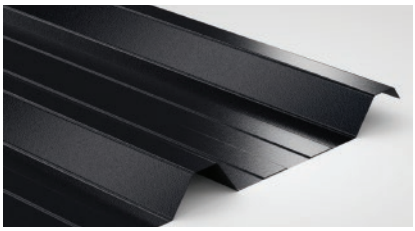
Merlin Grey



0.5mm / 0.7mm

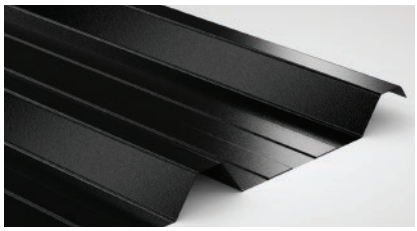
Extended colour range

Anthracite



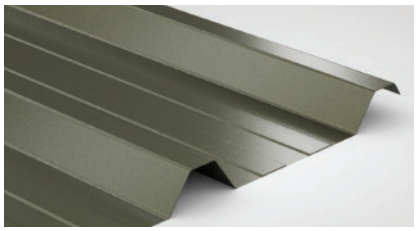
0.7mm

Black



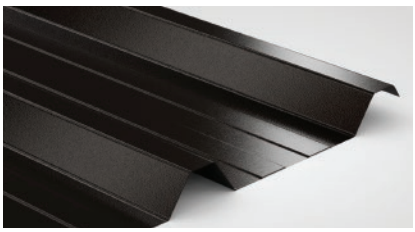
0.7mm

Moorland Green



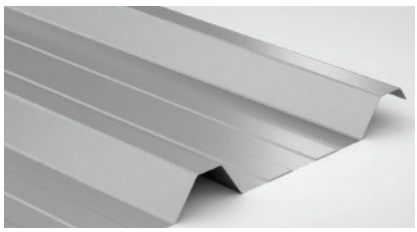
0.7mm

Van Dyke Brown



0.7mm

White



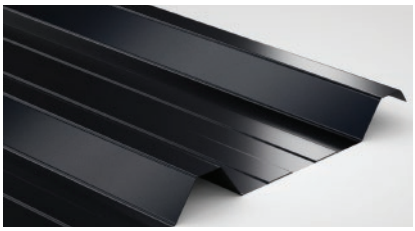
0.7mm

Looking for a specific colour?

Our team can source specific colours to match your projects needs

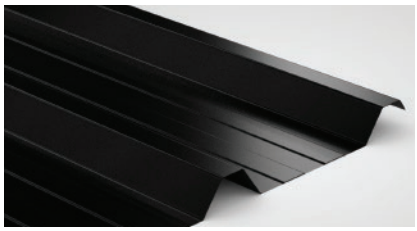
Standard Polyester

Anthracite



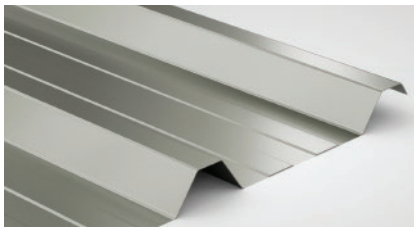
0.5mm / 0.7mm

Black



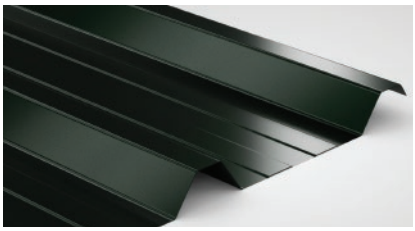
0.7mm

Goosewing Grey



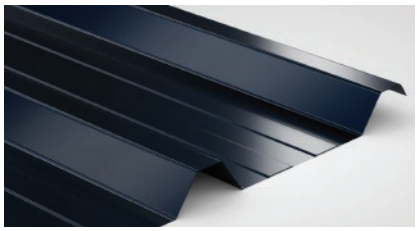
0.5mm / 0.7mm

Juniper Green



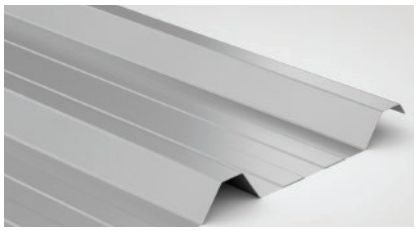
0.5mm / 0.7mm

Slate Blue



0.5mm / 0.7mm

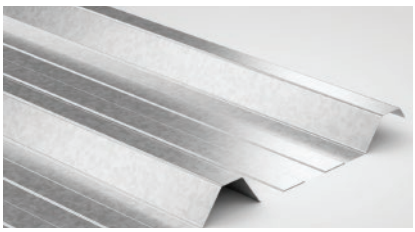
White



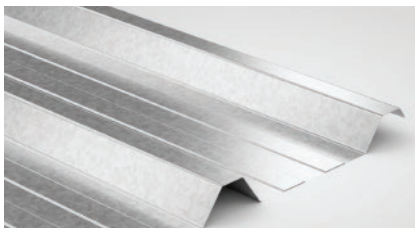
0.5mm / 0.7mm

Plain Galvanised

0.5mm Gauge



0.7mm Gauge



Anti-condensation felt application available

0.7mm Roof Profile Only

Stop condensation drips caused by warm air rising and meeting the cold roof surface.

All box profiled sheets manufactured and delivered within 3-5 working days nationwide

01934 641446

ASSEMBLY SEQUENCE

Roof installation

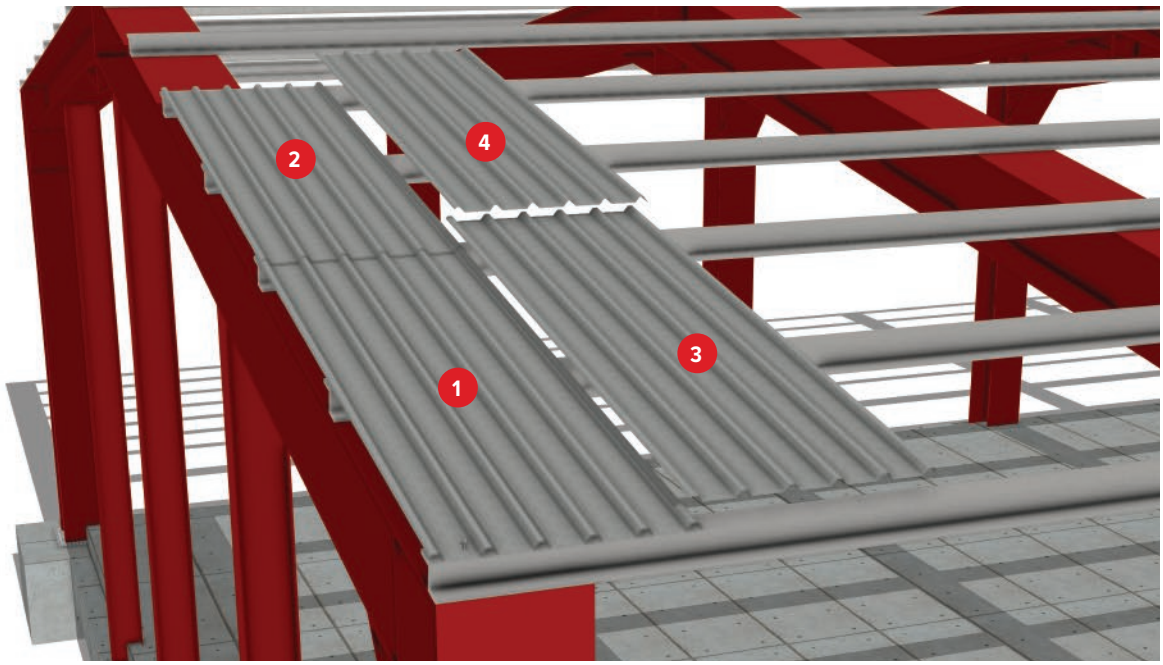
Install box profile roofing sheets from left to right, completing one full run at a time.

Start by positioning the first sheet **(No. 1)** at the eaves. Fix the sheet through the centre of each corrugation valley into the supporting purlins.

Next, place the second sheet **(No. 2)** above the first, ensuring the end lap overlaps by at least 150 mm. Secure again through the centre of each corrugation valley.

Once the first vertical run is complete, begin the next run with sheet **No. 3**, positioning it so the sheet side laps by one full corrugation over the previous sheet.

Continue installing the remaining sheets following the sequence shown, maintaining the correct end laps and side laps throughout the roof area.



Reach out to our technical department **01934 641446**

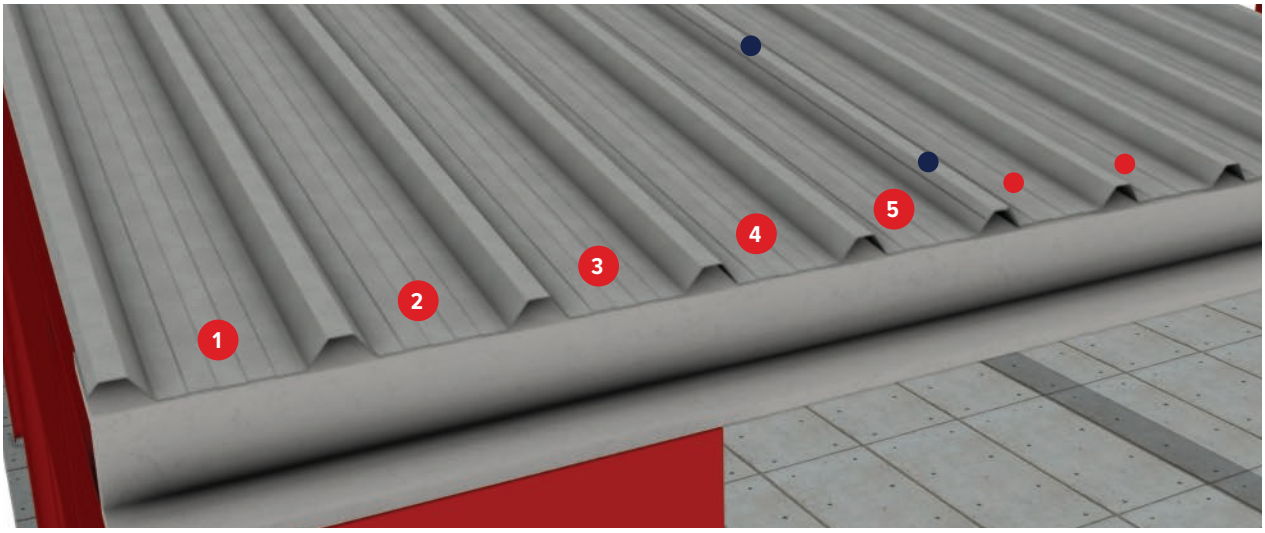
Fixing detail

Fix roofing sheets through the centre of the corrugation valleys into the supporting purlins as shown in positions **1–5**.

Primary fixings should be installed at each purlin line to securely fasten the sheet to the structure.

Where sheets side lap, install stitcher screws through the crown of the sidelap corrugation to tie the sheets together. Stitcher screws should be installed at 400 mm centres along the full length of the sidelap.

This method ensures the sheets are securely fixed to the structure while preventing movement between adjacent sheets.



Cladding installation

Install wall cladding sheets from the bottom upward, completing one vertical run at a time.

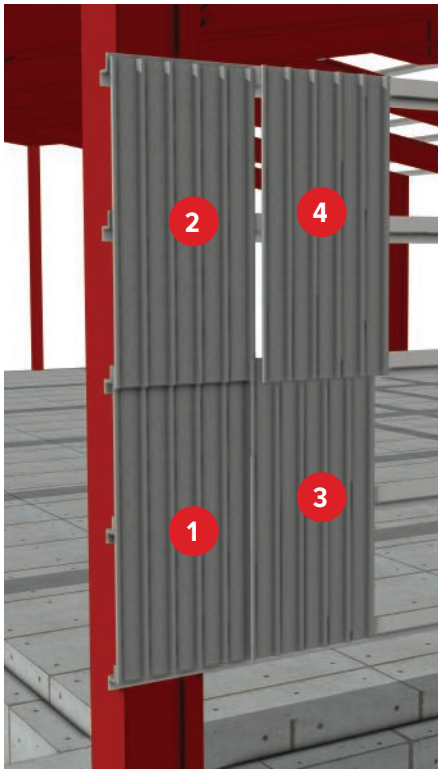
Start with sheet 1 at the base of the wall and fix through the corrugation valleys into the supporting rails.

Install sheet 2 above sheet 1 with a minimum 150 mm end lap.

Next, place sheet 3 alongside sheet 1, side lapping by one corrugation.

Install sheet 4 above sheet 3, maintaining the correct side and end laps.

Continue installing sheets in this sequence across the wall area.



BRIARWOOD

BOX PROFILE METAL SHEETS

March 2026