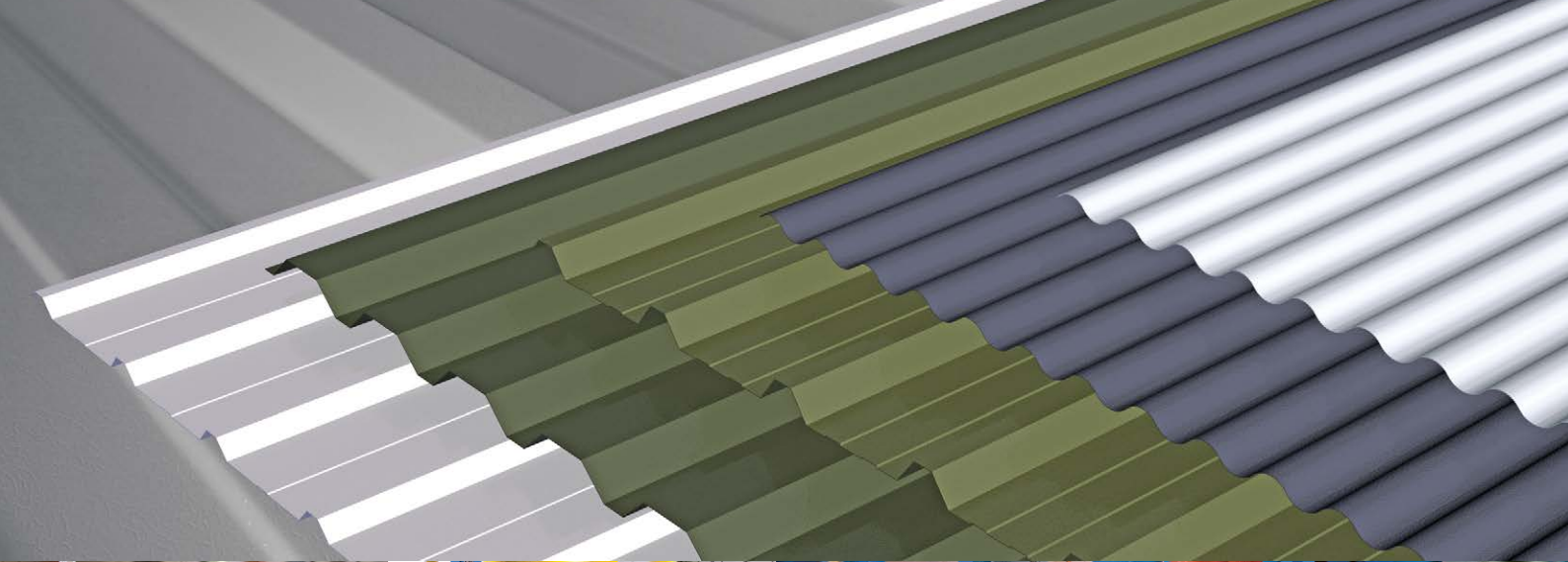


United Roofing Products



SINGLE SKIN ROOFING AND CLADDING



Pitched Roofing Sheets & Cladding



United Roofing Products

The South West's leading manufacturer of metal roofing and cladding sheets.

We manufacture, stock or source all the requirements for the agricultural market, specialist contractors, frame builders and end users alike.

We offer rapid, cost effective, made to measure systems and products to minimise waste and site work to suit any project in the sector.

We have a skilled team with technical support who are happy to discuss and advise you on the requirements for your project of any size.

We are a founding member of the RIDBA organisation and are a very active participant within the association.



Profiled Metal Sheets

This brochure describes URP's profiled metal sheets for roofing and cladding industrial, commercial and agricultural buildings, and other unheated structures.

Profiled sheets are available in 0.4mm, 0.5mm and 0.7mm thick steel in plastisol and polyester finishes. There are two deep profiles for roofing and cladding, a shallow profile liner sheet and shallow corrugated sheets.

We offer a comprehensive range of fixings, sealants and flashings, as well as roof lights and guttering. We also offer a profile identification service for repairs and refurbishment. We can source or manufacture current, obsolete or bespoke profiles to any requirement.

Requirements

URP's profiled metal sheets are CE marked to BS EN 14782:2006.

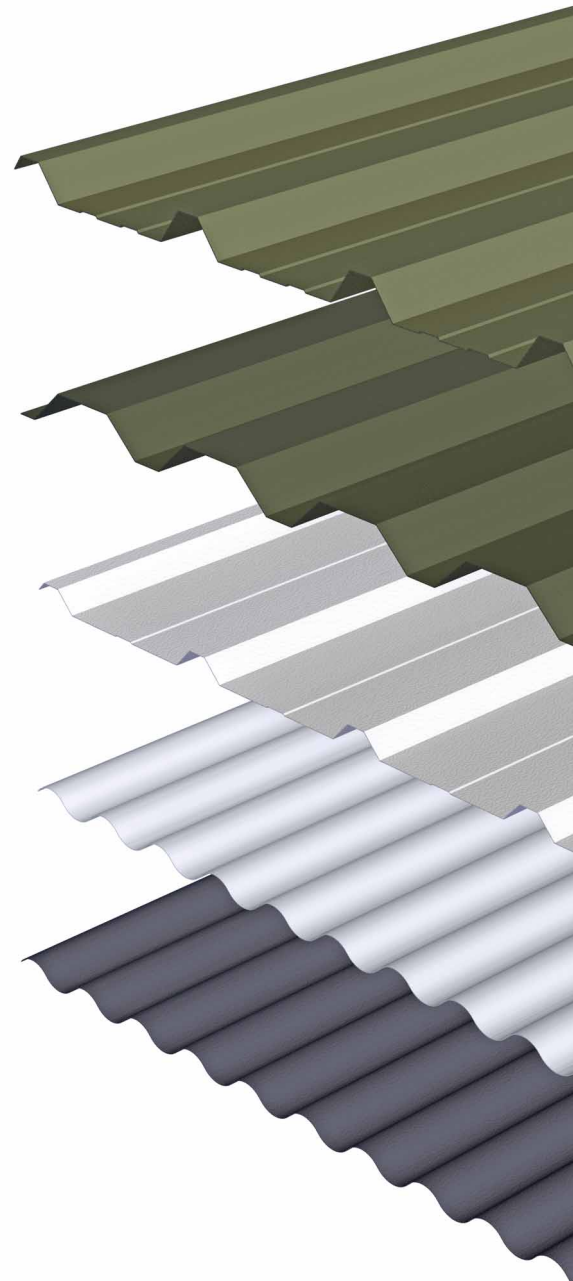
A copy of the Declaration of Performance is available on our web site.



Warranty

A standard steel mill backed warranty of up to 30 years is available on our plastisol profiles. This must be requested at the point of order.

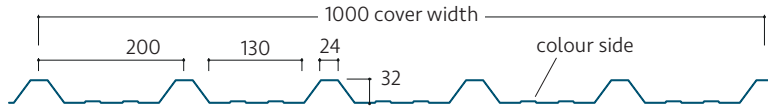
Please consult our sales office for more information.



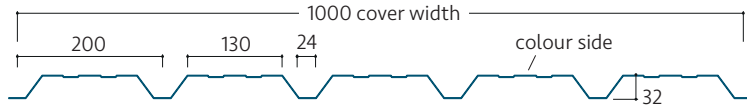
Technical Description



URP1000/32
Forward
Roof & Walls

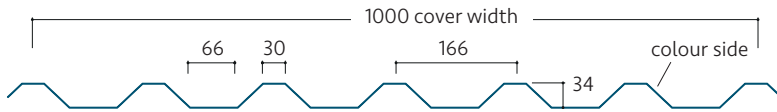


URP1000/32
Reverse
Walls only

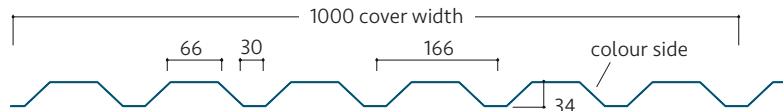


URP1000/32: a 32 mm deep panel for roofing and wall cladding. Available in plastisol, polyester coated and PVF2.

URP1000/34
Forward
Roofs & Walls

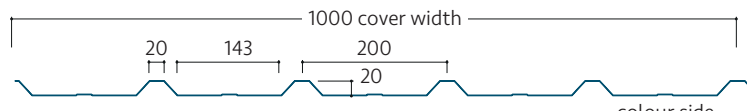


URP1000/34
Reverse
Walls only

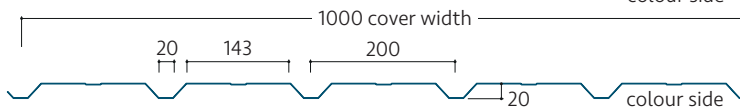


URP1000/34: a 34 mm deep panel for roofing and wall cladding. Available in plastisol, polyester coated and PVF2.

URP1000/20 Liner
Over Purlin



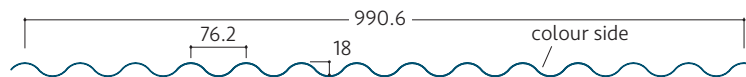
URP1000/20 Liner
Under Purlin



URP1000/20: a 20 mm deep liner panel coloured white on one face, for internal lining of walls and roofs, which can be installed above or below the purlins.

For non-fragile applications, URP1000/32 profile in 0.7mm thickness is supplied.

13/3 corrugated



13/3: a shallow profile corrugated sheet. Available in plastisol, polyester coated and plain galv. Also available in 8/3 (608mm cover) in plain galv.

We manufacture a range of cold-rolled and corrugated roofing and cladding profiles.

We can also supply bespoke profiles where it is important to match to existing cladding.

Finishes

Plastisol Leathergrain: an embossed PVC 200µm thick, factory-applied colour coating, which is tough and scratch resistant with a long lifespan.

Polyester coating: a factory applied, lower cost coating which is suitable for use on agricultural buildings.

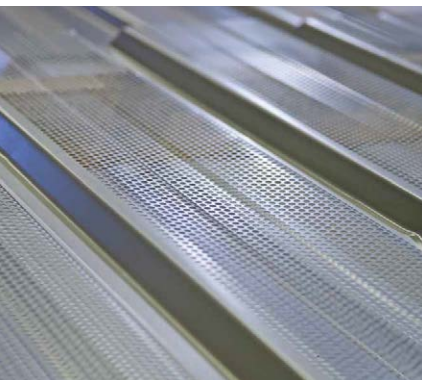
A range of alternative coatings are available including Polyurethane, PVDF and metallic finishes.

Table 1: Profile dimensions

Panel	Application	Cover width	Thicknesses	Profile depth	Length(s)*
URP1000/32 Forward	Roofing, & Wall Cladding	1000mm	0.5; 0.7mm	32mm	up to 10m
URP1000/32 Reverse	Wall Cladding only	1000mm	0.5; 0.7mm	32mm	up to 10m
URP1000/34 Forward	Roofing & Wall Cladding	1000mm	0.5; 0.7mm	34mm	up to 10m
URP1000/34 Reverse	Wall Cladding only	1000mm	0.5; 0.7mm	34mm	up to 10m
URP1000/20 Over	Over Purlin Liner	1000mm	0.4mm**	20mm	up to 6m
URP1000/20 Under	Under Purlin Liner	1000mm	0.4mm**	20mm	up to 6m
URP1000/32	Non-fragile liner	1000mm	0.7mm	32mm	up to 10m
13/3 Corrugated	Roofing & Wall Cladding	990mm	0.5; 0.7mm	18mm	up to 10m

* longer lengths available subject to circumstances.

** fragile.



Fire

Panels achieve Class 1 surface spread of flame to BS 476-7: 1997, equivalent to Class 0 as defined in Approved Document B.

Biological

Profiles are unaffected by mould, mildew and fungi, and do not support vermin.

Durability

Plastisol

The standard plastisol leathergrain finish has a predicted service life of up to 30 years to first repaint.

A steel mill backed warranty is available provided it is demanded at the time of order so it can be registered with the steel mill.

For extended warranties on plastisol please consult our sales office.

Polyester

Standard polyester finishes have a predicted service life until first repaint of 10 years.

Other finishes

Please discuss any other finishes with our sales team.

Standard Colours

The colours shown right include the nearest British Standard / RAL reference for guidance only as the colours vary slightly from British Standard / RAL.

Other colours available subject to availability, price on application.

Due to limitations in printing, colours are for guidance only - specification should be made from an actual sample.

If the colour is required to match an existing project please let the sales team know at the point of enquiry.



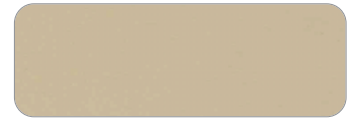
Goosewing Grey* 10A05



Albatross/Pigeon Grey 18B17



Moorland Green 12B21



Mushroom 10B19



Olive Green 12B27



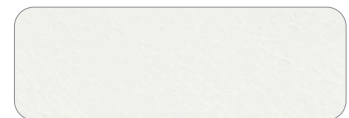
Juniper Green* 12B29



Slate Blue* 18B29



Vandyke Brown* 08B29



White* 00E55

*Also available in Polyester coated finish

Other Products



AntiCon

Specially developed to control condensation and prevent dripping water in non-insulated metal buildings. AntiCon is a layer of absorbent felt bonded to the underside of the metal sheet.

Anti-condensation steel cladding, has a high moisture absorption capacity; the interlaced fibres covering the panel are able to absorb up to 850ml per square metre.

By eliminating the dripping water created by condensation, AntiCon helps livestock stay dry and prevents damage to valuable goods and machinery.

AntiCon is available on all our 0.7mm roofing sheets.

Fixings & Purlins

Metal purlins available to suit your needs on request.

We are able to supply the relevant fixings whether you are fixing to timber or metal purlins.

Flashings & Fabrication

Manufactured to your design, our flashings are fabricated with a 0.7mm material as standard.

Various finishes are available: Plastisol, Polyester & Galvanised - Powder coating available. Galvanised flashings up to 2mm thickness and Aluminium flashings up to 3mm are standard.

Curving

Box profiles are available crimp curved for curved eaves and crank ridge applications. The 13/3 corrugated profile is available smooth curved for Dutch barns, pig arcs and Shepherd huts.



Daylight systems

We supply a full range of GRP rooflights to provide daylight to any commercial, industrial or agricultural building. Heavy duty GRP rooflights to suit 1000/32 and 1000/34 profiles are stocked in 2m, 2.5m, 3m, and 4m lengths. Other profiles and lengths are available on request.

Gutters

We manufacture pre-finished metal gutters to your design in lengths up to 10m. Available insulated and uninsulated in material up to 3mm thick.

We also stock 160mm and 200mm half round plastic gutters, 110mm and 160mm down pipes and all accessories in grey and black.

Ventair

Ventair is a box profile wall cladding sheet with louvred slots punched in the wide pan of the profile. This solution provides good protection from the elements whilst allowing airflow in through the walls lending itself for use in exposed elevations.

It is available in a range of colours and finishes cut to length to your specification.



Structural

Roof profiles are designed to be supported by steel or timber purlins, with the broad valley resting on the purlin. For 0.7mm thick profiles, purlins should be set at 1.8m maximum centres. Consult URP for guidance on setting purlins at greater centres. Wall profiles should be fixed with their narrow valleys against the side rails. All profiles should be isolated from preservative treated timber by PVC barrier tape applied to the bearing face.

Supporting steelwork should meet tolerances of BS EN 1090-2:2008 +A1:2011 and fixing planes on purlins should be less than L/600 apart (where L is the purlin spacing).

The minimum roof pitch is 4°.

Fixings

Trapezoidal Roof and Wall profiles should be fixed through the valleys to the purlin with either carbon steel or stainless steel self-drilling screws having a 19mm integral washer. The screws can be supplied with loose coloured caps or factory coloured heads.

Fixings to Light section steel should be at least 25mm long, and embedment into timber purlins should be at least 30mm.

Corrugated sheets should be fixed to Light section with a 65mm screw with a Baz washer, 60mm into timber.

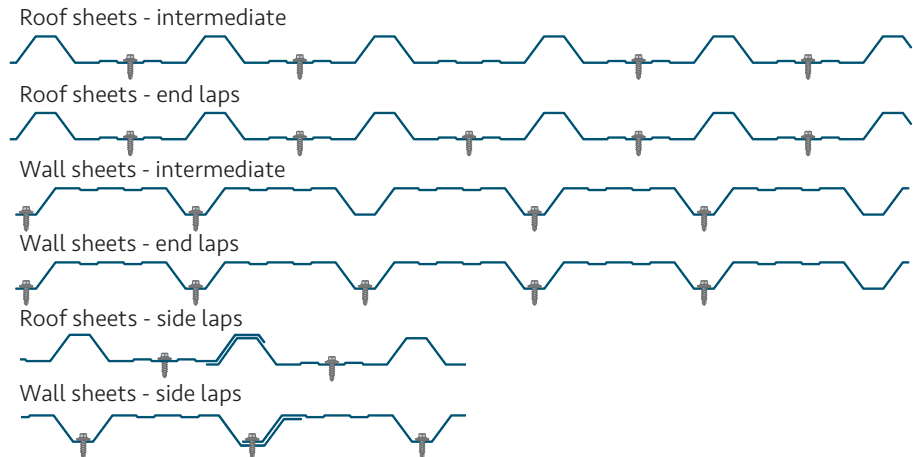
Laps and sealing

Side laps are formed by lapping the female crown of a profile over the male crown of the adjoining profile. The exposed edge of a lap should face away from the prevailing wind. The lap should be sealed with a single 6 x 5mm run of butyl sealant applied to the crown of the first panel (see figure 1) and stitched with a 22m long self drilling metal to metal fixing with a 16mm washer.

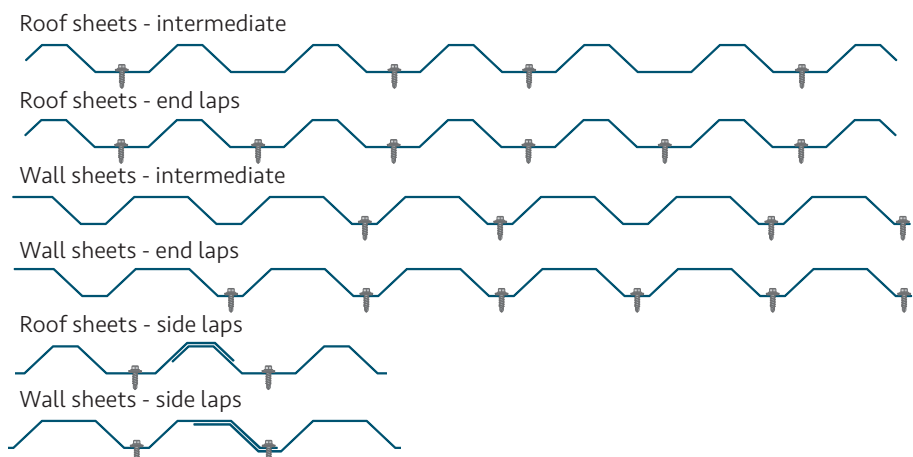
End laps are required where there are several tiers of panels on a roof. The upper profile should overlap the lower one by 150mm. There should be two 6 x 5mm runs of butyl sealant applied to the head of the lower profile (see figure 2). The laps are fixed by the fixing screws for the tail of the top profile.

Where four profiles overlap additional runs of butyl sealant are required between the crowns of all four sheets.

URP1000/32 fixings



URP1000/34 fixings



Preparation

Before fixing sheets determine the direction of the prevailing wind and check the squareness and accuracy of the steelwork. Check all sheets for damage before fixing.

Installation

Lay sheets in the sequence shown (figure 1), keeping the lower run one sheet ahead of the higher run to ensure that the higher sheet is always lapping over the lower sheet.

Apply a single continuous bead of 6 x 5mm butyl sealant the length of the side lap on sheet 1 (figure 2). Position sheet 2 adjacent to sheet 1 with the foot of the sheet to the eaves. Fix sheet 2 and stitch at 400mm centres on the overlap.

Apply two beads of 6 x 5mm butyl sealant to the head of sheet 1 and 2 approximately 75mm apart (figure 3). Position sheet 3 and fix through the centre of every trough between the two runs of sealant.

If fixing to intermediate purlins (no laps), see design guide on page 6 for fixing layout.

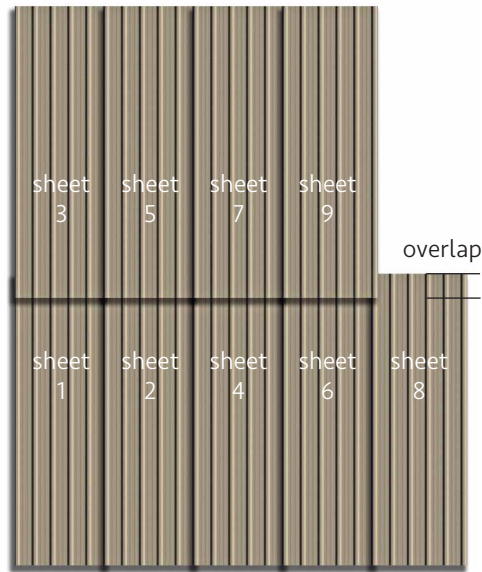


Figure 1



Figure 2

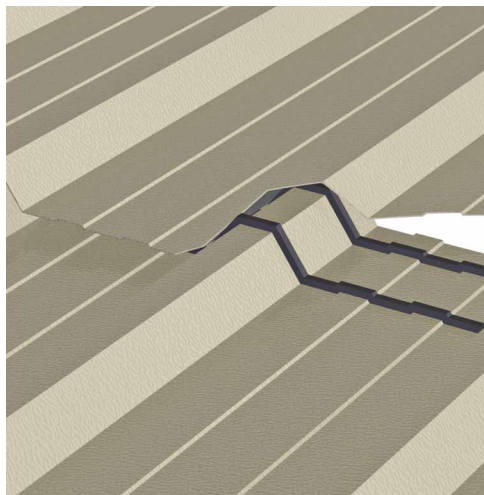


Figure 3

Delivery, handling and storage

Profiles are supplied banded when delivered to site. Offloading is the responsibility of the customer. Profiles can be off-loaded directly to 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 above each other.

Handle profiles carefully to avoid marking weather sheets. Lift sheets from the pack – do not drag them. Observe site health and safety procedures and the results of manual handling and other assessments.

Maintenance

It is good practice to carry out annual inspection of the building exterior and to carry out any remedial work identified during the inspection. 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 to a slightly different colour to the original coating, so the area which is touched up should be kept as small as possible.



United Roofing Products

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Technical Support

We offer free technical support for all our products, including:

- technical data sheets;
- copies of test certificates;
- loading calculation;
- design and installation guidance.

Call us on 01884 839302 or email queries to sales@unitedroofingproducts.com.

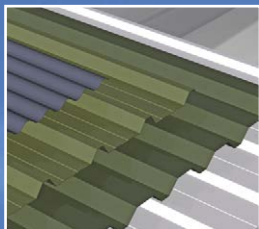
Copies of all our product information are available on our web site: www.unitedroofingproducts.com

Environmental Credentials

We are keen to reduce the impact our business and processes have on the environment and the communities we live in.

While the introduction of sustainable construction methods is a challenge to the whole construction industry, our main raw material – steel – is widely recycled: 85 - 90% of steel from demolition goes for re-use and 40% of steel used in new construction has been recycled.

By using modern machinery and upgrading our facilities we are continually reducing the impact of our products on the environment, and improving their contribution to the long-term performance of buildings.



Single skin profiles



Composite panels



Purlins & Rails



Condensation fleece



Ventilated cladding



Gutters



Flashings



Ventilated ridge



Fixings & sealants



Aluminium products

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