

D.L.Group

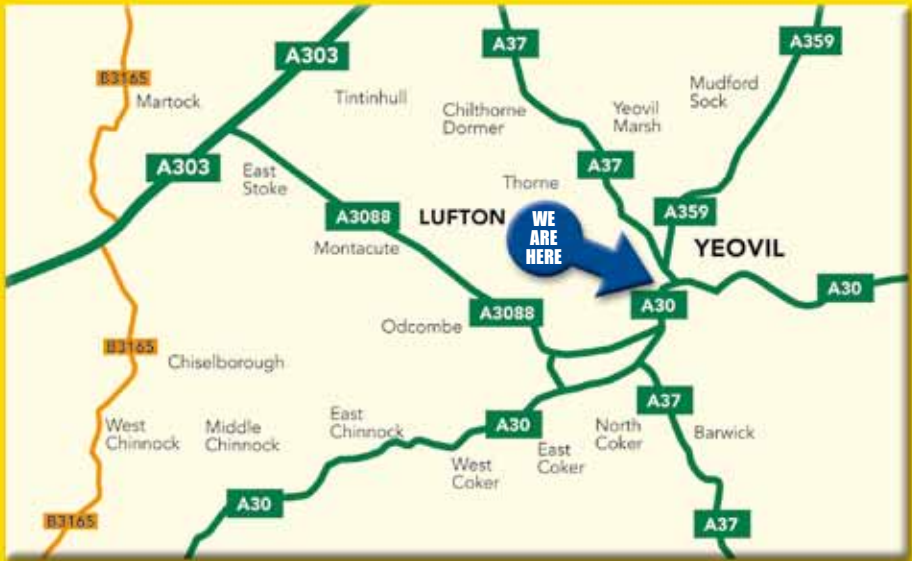
Roofing Sheets



A Brief Guide



How to find us



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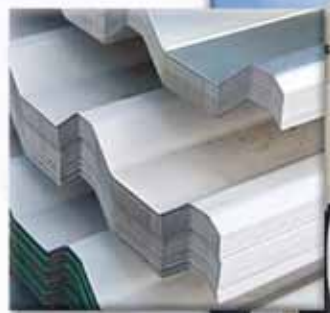
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Profiles

Plastic Coated

This is the most popular of the coatings and has the most robust coating. The sheet is a galvanised steel profiled sheet with primer on both sides and embossed PVC on the weatherside.

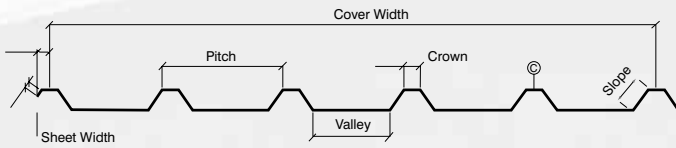
Plastisol is suitable for both roof and wall cladding systems, in both corrugated and box profile, in 0.5mm and 0.7mm thicknesses. It has a 200 micron durable, abrasion-resistant topcoat. It is available in a selection of the most popular colours in standard sizes. It is tested to perform well up to 25 years to first maintenance with a life in excess of 40 years in normal environments.



Plastisol is recommended where long-life, strength and aesthetic appeal can be matched to environmental, cost and performance requirements.

Specification sheets, metal samples, colour cards and technical advice available on request.

Guideline on how to survey existing profile



Colour Chart



Goosewing Grey



Olive Green



Merlin Grey



*Terracotta



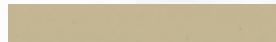
*Wedgewood Blue



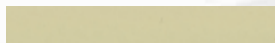
Vandyke Brown



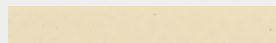
*Ocean Blue



*Mushroom



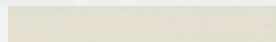
*Meadowland



*Honesty



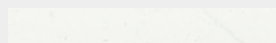
* Black



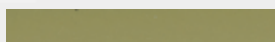
*Hamlet



Slate Blue



White



*Moorland Green



Juniper Green

*less available

Profiles

Polyester (Paint-coated)

This is the same galvanised sheet underneath as the Plastisol sheet and the same primer specification, but instead of having the plastic coating, it has a 20 micron coating of silicone polyester paint.

This coating is fairly susceptible to scratching in transit and installation. It is generally available in four colours - Dark Green, Van Dyke Brown, Slate and Grey (primer). This is a fairly popular option, as it saves having to paint the galvanised sheet.



Primed Only

This is the cheapest paint coated option. Available only in light grey alkyd finish. Coated both sides. This is a cost-effective alternative to plain galvanised sheets.

Galvanised

This is plain galvanised finish. Silver in appearance, which is usually spangled with a bright reflective surface when new. Not easy to repaint, as special galvanised primers have to be used.

Specification sheets available on request.

Profiles



Steel roof sheets come in a variety of profiles. These depend on the manufacturer and the intended purpose of the sheets. The majority of steel roof sheets available today are trapezoidal (Box profile).

This shape has several advantages:

The profile depth is generally deeper than that of round corrugated sheets, so it is stronger. Due to the straight-line construction, it tends to lap more effectively on the side laps.

It can be fixed through the trough of the profile and no crushing of the profile occurs, unlike round corrugated sheets that are fixed on the crown of the profile.

It can be used down to pitches as low as 4 degrees.

Example	Cover width mm	Depth mm	Valley Depth	Profile pitch mm	Gauge Depth	Weight kg/m ²
	980	19	75.4	0.7	6.79	
	1000	32	127.5	200	0.5	6.75

The profiled sheeting is supplied in 0.5mm and 0.7mm. It is recommended that 0.7mm thickness is used for longer sheets for greater strength and spanning ability.

Tile Effect Sheeting

1000mm cover sheet with a classic pan tile profile giving the appearance of traditional clay tiles in PVC Plastisol coated steel.

A light, strong roof cover with a surface requiring no maintenance, it provides an efficient way to create a traditional roof appearance with the benefits of modern coated steel.

This elegant steel sheet looks great on new buildings and blends beautifully into older, culturally sensitive areas.

It has many advantages, light in weight, fast and simple to fit, in a choice of classic roofing colours for a roof that will be solid, attractive and long lasting.

Uses:

Industrial, agricultural, commercial and domestic roof sheeting. Can be used as single skin sheeting and cladding, over clad of an existing roof or part of a built up, insulated system.

Specification:

Application: Roof (Horizontal)	Max Length: 800mm
External Finish: PVC Plastisol	Minimum Pitch: 12 degrees
Internal Finish: Grey Polyester	Gauge Thickness: 0.5mm
External Face: 41/1000 tile sheet	Weight: 0.5mm thickness - 4.78kg/m ²
41mm profile height, 200mm pitch	Standard Width: 1000mm when lapped
Standard Width: 1000mm when lapped	Subjected purlin spacing: 600mm



When used in roof applications, construction can be safely undertaken down to a 12 degree pitch using conventional through self drilling fasteners at lower point of profile. Flashing complete the system, offering cost effective sheet cladding.

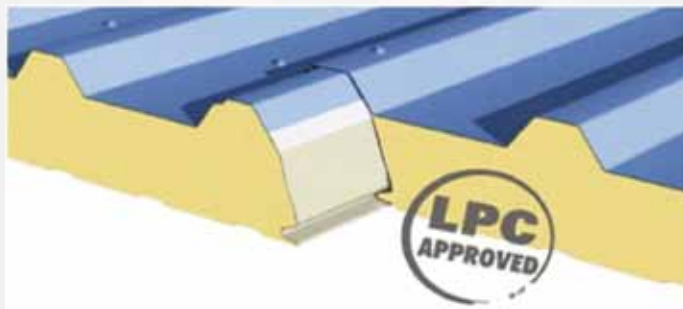


Composite Insulated Panels

These are profiled polyurethane composite panels with a cover width of 1000mm and a profile depth of 32mm. It is equally suited for roof or wall assembly. When used in roof applications, construction can be safely undertaken down to a 4 degree pitch using conventional through fasteners.

Factory assembled rooflights and flashing accessories complete the system offering cost effective, fully insulated 'warm construction' for industrial and commercial buildings.

The outer skin has a thickness of 0.5mm or 0.7mm and the white enamel skin is 0.4mm. The insulation core is available from 40mm - 150mm. If it is to meet Building Regulations, then the current minimum is 120mm.



The composite panel system offers a viable alternative to built-up and boarded systems as it is a one-fix system combining a finished underside in a bright white. This in turn means that labour costs are kept to a minimum and the roof retains all of its insulation properties.

Polycarbonate Sheeting

Transparent sheets, available in various thicknesses and sizes, in clear, bronze and opal offers:

- Superb impact resistance
- High clarity and light transmission
- Weather and UV resistant
- Lightweight
- Easy to handle
- All accessories available to order



Flashings and Trims

We offer a bespoke flashing and trim service:

- Standard 3m lengths
- Cut and folded to your size and angle
- Ridge, Barge, Eaves, Apron and Drip Flashings, etc.



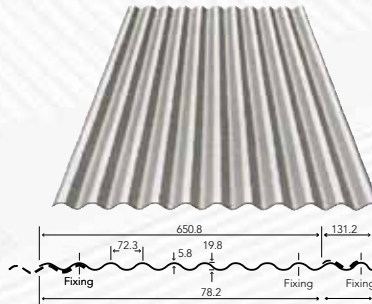
Fibre Cement

We supply fibre cement products that are produced by the country's largest fibre cement manufacturer.

The products are differentiated by the size of corrugation of the sheets. Profile 3 having smaller corrugations than Profile 6. Both types of sheet are manufactured from a selected blend of Portland cement and water. This is reinforced with a mixture of both natural and synthetic fibres. The longevity of this formulation has allowed the manufacturer to offer a 30-year guarantee on our sheets and fittings (available on request).

Profile 3 sheet lengths (mm)

1375, 1525, 1675, 1825, 2125, 2450, 2600, 2750, 3050.



Technical Data	Profile 3	Profile 6
Overall width	782mm	1086mm
Net covering width	650.8mm	1016mm
Thickness (nominal)	5.8mm	6.7mm
Density (nominal)	1450kg/m ³	1450kg/m ³
Pitch of corrugations (nominal)	72.3mm	146.5mm
Depth of profile	19.8mm	47.6mm
Profile height category	A	C
Side lap	131.2mm	70mm
Minimum end lap	150mm	150mm
Maximum purlin centres	925mm	1375mm
Maximum rail centres	1525mm	1825mm
Maximum unsupported overhang	250mm	350mm
Approx. weight of roof as laid, with 150mm end laps, single skin including fixings	14.5kg/m ²	17kg/m ²

Fibre Cement

Profile 3

Profile 3 has long been established as one of the most versatile and useful profiles for roofing and cladding for small agricultural, industrial buildings, garages, poultry houses, sheds, stables and all portable buildings.

Profile 3 is manufactured from Portland cement and water, reinforced with cellulose and textile fibres giving it a natural grey colour. Slight shade variation may occur in natural grey sheets depending on cement type. In addition, all sheets may show slight rippling of the weather face and fissuring to the underside. This is normal and does not impair performance.

A factory-applied paint finish is also available in a selection of colours (to order). The installed dry weight of Profile 3 is approximately 14.5Kg/m² for single skin application.

These sheets have a P60 (Ext SAA) rating to BS476 part3 and can be classified 0 in accordance with Building Regulations.

Stock lengths - 5ft, 6ft, 7ft, 8ft, 9ft and 10ft.

All accessories, such as Flashings, Boards, etc. are available to order.



Fibre Cement

Profile 6

Profile 6 is a high-strength fibre cement sheet with polypropylene reinforcement strips inserted along precisely engineered locations, which run for the full length of the sheet in each corrugation. This provides maximum reinforcement strength with no loss of durability in service.

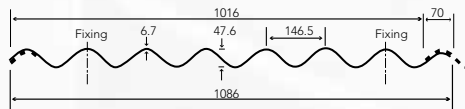
A factory applied paint coating is available to order in a selection of colours. The installed dry weight of Profile 6 is approximately 17Kg/m² for single skin application.

Stock lengths 5ft, 6ft, 7ft, 8ft, 9ft and 10ft.

As with Profile 3, Flashings, Boards and other accessories, are available to order.



The cut-away illustration above shows the location of the polypropylene reinforcement strip inserted in a precisely engineered position in each corrugation of the Profile 6 sheet.



Rooflights

We stock a range of GRP and PVC Rooflights

PVC Rooflights in Profile 6 and Profile 3 with 1.3mm thickness Superweight (Ten-year Guarantee)

GRP Rooflights in Profile 6 and 1000/32 Box Profile. Class 3 SAB 2.4Kg/m² and 3kg/m² weights. These are longer lasting than PVC (expect twenty years plus).



Fixtures and Fittings

We offer a full range of Fixings and Fittings for roofing applications:

- Tek Fixings
- Hookbolts
- Drive Screws
- Colour Caps
- Lapseal and Gutter Tapes
- Tube Sealants
- Profiled Foam Fillers



Order Check List

- Width of the building _____
- Length of required sheet: _____
(Allow for gutter overhang, if applicable)
- Angle of the roof _____
- Coating _____ Thickness _____ (0.5mm or 0.7mm)
- Colour _____
- Fixings _____ (please state into wood or steel, etc.)
- Flashings/Trims: _____
- Lapseal Tape: _____
- Foam Fillers: _____
- Stitcher Screws: _____
- Delivery or Collection: _____
- Delivery Address: _____

- Date required: _____



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