

Industrial Contents



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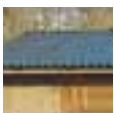
Curved Sheeting



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Purlins



Galvanised Steel Sheeting



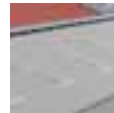
Corrugated and Multi-wall Sheeting



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Hard Metals

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Industrial Roofing

Design Considerations

Insurance - get your specification checked and approved by an insurer.

Part L2 (for buildings other than dwellings).

Condensation risk

Local climate

Exposure

Roof loading

UV analysis

Key Industrial Roofing Regulations:

Part L (J for Scotland), and Part F of The Building Regulations 2002 - Affecting Insulation, ventilation and energy efficiency.

Additional factors include:

Condensation risk

Local climate

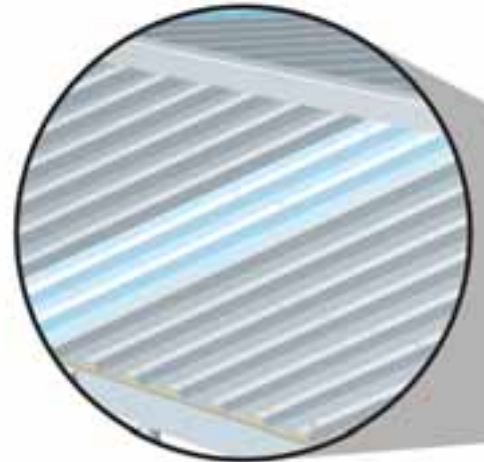
Exposure

Roof loading

UV Analysis

Planning permission requirements

Style and design of surrounding buildings



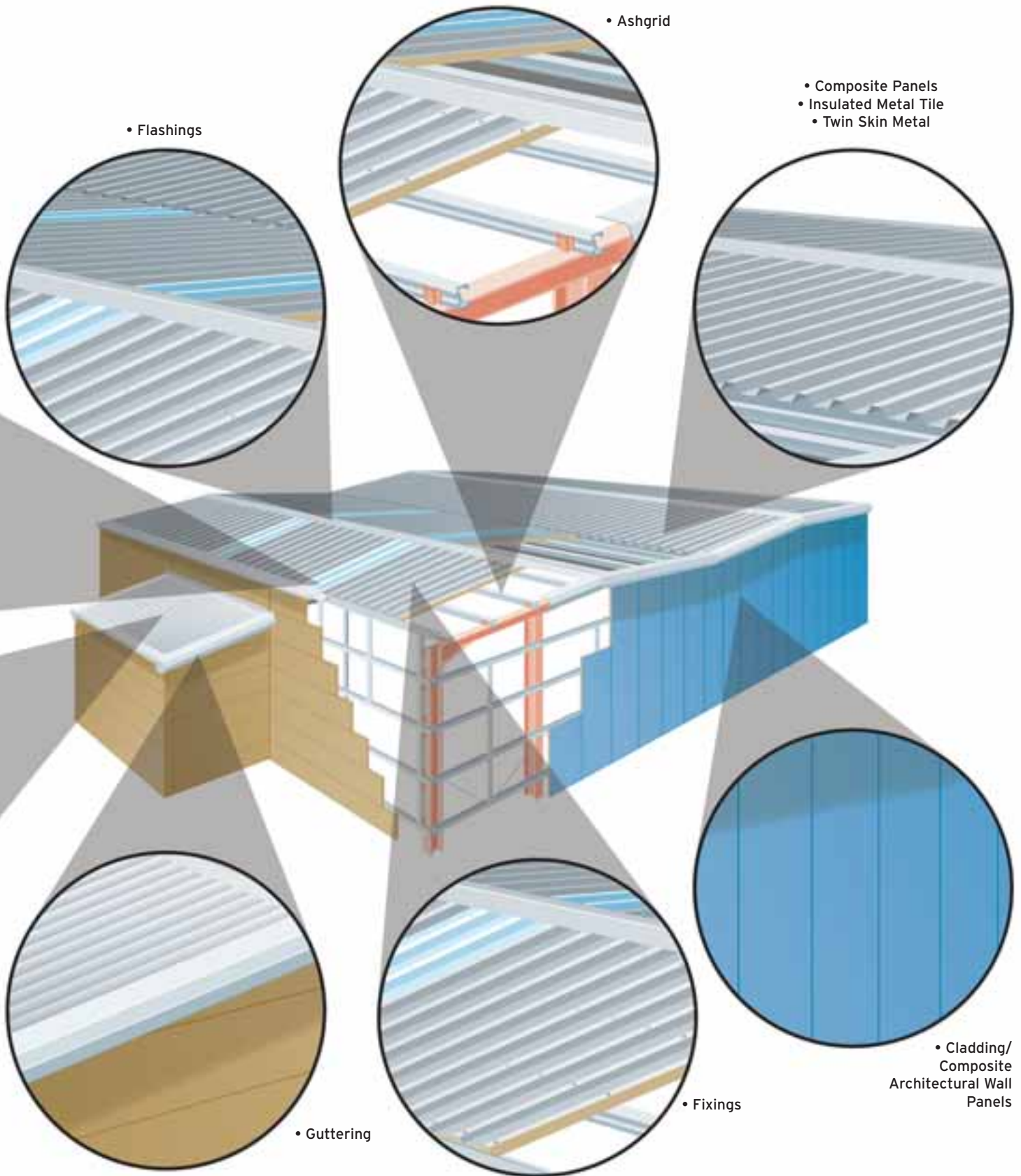
• Roof Light



• Single skin metal sheeting
• Fibre Cement Sheeting
• Bituminous sheeting

Our Industrial Roofing Supply Partners

- Ash and Lacy
- Corus
- Coverworld
- Filon
- Fixing Point
- FloPlast
- Hairoville TAC
- Hunter
- Kingspan Insulated Panels
- Lindab
- Marley Eternit
- Phoenix Fabrications
- Powell Gee
- Quedron
- Ugin
- VM Zinc
- Ward Insulated Panels



• Flashings

• Ashgrid

- Composite Panels
- Insulated Metal Tile
- Twin Skin Metal

• Guttering

• Fixings

- Cladding/
Composite
Architectural Wall
Panels

For more information on Industrial Roofing pick up our Industrial Roofing and Cladding Brochure from your local Branch

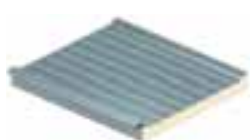
Composite Roof Panels

Composite roof and wall systems offer significant advantages over conventional site assembled systems. They offer a reliable thermal insulation performance and

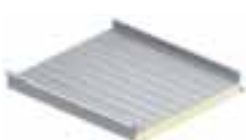
they are quick to install due to their prefabricated design.

All products are LPC approved, and many are FM approved.

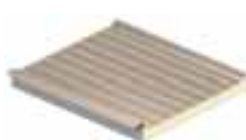
Kingspan		Ward
Insulated Roof And Wall Systems		Insulated Panels
Product:	KS1000 RW	IP1000 Trapezoidal Roof Panel
Description:	Through fixed roof panel (steel or aluminium), which can be used for all building applications where the roof slope, after deflections, is 4° or more. FM approved.	A through fixed roof system which can be used for building applications with roof slopes of 4+ and above after deflections
Sizes (mm):	Width: 1000. Lengths: Standard lengths 1.8 to 12 metres. Smaller or larger lengths can be cut to order, up to 22m. Thickness: 40, 50, 60, 80, 100	Width: 1000 Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 40, 50, 60, 70, 80, 100
Colours:	Dozens of colours available.	Wide range of colours and finishes available
Product:	KS1000 TS	DR1000 Low Pitch Trapezoidal Low Pitch Roof Panel
Description:	KS1000 TS slate and tile support system replaces conventional site assembled tile support systems that can be more costly and slower to construct.	A secret fixed roof panel which is suitable for all building applications where the finished roof slope is 1+ or more after deflections
Sizes (mm):	Width: 1000. Standard lengths: 1.8 to 12 metres. Other lengths can be cut to order, up to 22m. Thickness: 40, 50, 60, 80, 100	Width: 1000 Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 40, 50, 60, 80, 100
Colours:	Goosewing Grey	Albatross, Goosewing Grey, Hamlet, Merlin Grey, Mushroom, White & PVDF Metallic Silver
Product:	Kingzip	DR1000 Curved
Description:	The KingZip standing seam roof system is suitable for applications on roof slopes over 1.5°. The steel faced version can also be utilised on curved roofs over 125m radius (steel faced only).	Trapezoidal Curved Roof Panel A secret fixed roof panel which is suitable for applications on a curved roof with a minimum radius of 150 metres.
Sizes (mm):	Width: 500, 100. Lengths: Up to 30m.	Width: 1000 Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 40, 50, 60, 80, 100
Colours:	Dozens of colours available.	Albatross, Goosewing Grey, Hamlet, Merlin, Mushroom, White & Metallic Silver
Product:	KS1000 LP	
Description:	The KS1000 LP Roof Panel is a high specification product that can be used for all building applications where the finished roof slope after deflections is 1.5° or more. FM approved.	
Sizes (mm):	Width: 1000. Standard lengths: 1.8 to 12 metres. Other lengths can be cut to order, up to 22m. Thickness: 45, 60, 80, 100	
Colours:	Dozens of colours available.	
Product:	KS1000 CR	
Description:	The KS1000 CR Roof Panel is a high specification product which is suitable for applications on curved roofs with a minimum radius of 150 metres.	
Sizes (mm):	Width: 1000. Standard lengths: 1.8 to 12 metres. Smaller or larger lengths can be cut to order, up to 22m. Thickness: 45, 60, 80, 100	
Colours:	Dozens of colours available.	
Product:	KS1000 SF	
Description:	The KS1000 SF Roof Panel is a secret fixed roof panel, which can be used for all building applications where the roof slope is 3° or more.	
Sizes (mm):	Width: 1000. Standard lengths: 1.8 to 12 metres. Smaller or larger lengths can be cut to order, up to 22m. Thickness: 40, 50, 60, 70, 80, 100	
Colours:	Dozens of colours available.	



KS1000 CR



Kingzip



KS1000 LP



DR1000



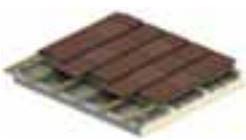
IP1000



KS1000 RW



KS1000 SF



KS1000 TS

Composite Wall Panels

Kingspan		Ward
Insulated Roof And Wall Systems		Insulated Panels
Product: Description:	Kingspan MR/EB/FL/MM/CX/WV Architectural Wall Systems Secret fix panels which can be laid horizontally or vertically. Suitable for all building applications except where there are low temperature internal conditions.	IP1000W - Trapezoidal A through fixed panel, which can be laid horizontally or vertically and is suitable for all building applications.
Sizes (mm):	Widths: 600, 900, 1000. Standard lengths 1.8 to 12 metres. Smaller lengths are available to order.	Width: 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 40, 50, 60, 70, 80, 100.
Colours:	Steel: Range of up to 30 different colours Aluminium: Aluminium finish	Wide range of colours and finishes available - colour charts and swatches available upon request
Product: Description:	Kingspan KS1000 Optimo Wall System The KS1000 Optimo Wall Panel is a secret fix panel which can only be laid horizontally. Suitable for all building applications except where there are low temperature internal conditions.	DR1000 W - Profile Rib Profile Rib DR1000W Panel is a concealed fixed panel, which can be laid vertically and is suitable for all building applications
Sizes (mm):	Widths: 900, 1000. Standard lengths: 1.8 to 7.2 metres. Smaller lengths are available to order. Thicknesses: 45, 60, 70, 80	Width: 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 40, 50, 60, 80, 100.
Colours:	Steel: silver metallic and white. Other colours available on request	Albatross, Goosewing Grey, Hamlet, Merlin, Mushroom, White and Metallic Silver
Product: Description:	Kingspan KS1000 RW Trapezoidal Wall System The KS1000 RW Wall Panel is a through fixed wall panel, which can be laid horizontally or vertically and is suitable for all building applications.	DW1000A - Flat Stucco This Secret Fix panel can be laid horizontally or vertically. It is suitable for most building applications.
Sizes (mm):	Widths: 1000. Standard lengths: 1.8 to 12 metres. Smaller or larger lengths can be cut to order, up to 22m. Thicknesses: 40, 50, 60, 70, 80, 100.	Width: 600, 900, 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 45, 60, 70, 80, 100.
Colours:	Steel: Dozens of colours available. Aluminium: Aluminium finish	Wide range of colours and finishes available - colour charts and swatches available upon request
Product: Description:	Kingspan KS1000 LS LongSpan Wall system The KS1000 LS Panels are secret fixed panels, which can be laid horizontally or vertically and are suitable for walls for all building applications.	DW1000B - Tongue & Groove This Secret Fix panel can be laid horizontally or vertically. It is suitable for most building applications.
Sizes (mm):	Widths: 600, 900, 1000. Standard lengths: 1.8 to 8.2. Smaller or larger lengths can be cut to order, up to 16m. Thicknesses: 80, 100, 129, 140.	Width: 600, 900, 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 45, 60, 70, 80, 100.
Colours:	Steel: Dozens of colours available.	Wide range of colours and finishes available - colour charts and swatches available upon request
Product: Description:		DW1000C - Shadow Rib This Secret Fix panel can be laid horizontally or vertically. It is suitable for most building applications.
Sizes (mm):		Width: 600, 900, 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 45, 60, 70, 80, 100.
Colours:		Wide range of colours and finishes available - colour charts and swatches available upon request
Product: Description:		DW1000D - Mini Rib This Secret Fix panel can be laid horizontally or vertically. It is suitable for most building applications.
Sizes (mm):		Width: 600, 900, 1000. Length: Panels can be ordered cut to length, refer to Roof Shop for guidance. Insulation Depth: 45, 60, 70, 80, 100.
Colours:		Wide range of colours and finishes available - colour charts and swatches available upon request



Kingspan AWB CX



Kingspan KS1000 RW



DR1000 Profile Rib



IP1000W Trapezoidal



DW1000A Flat Stucco



Kingspan KS1000 Optimo



Kingspan KS1000 LS Longspan



DW1000B T&G Rib



DW1000C Shadow Rib



DW1000D Mini Rib

Single Skin Metal Roof Sheeting

We offer a wide range of box profile galvanized steel metal sheets in hundreds of different profiles and dozens of colours. We can also arrange bespoke products on request. Different coatings are also

available to ensure a longer maintenance free lifespan.

	Coverworld	Haironville TAC	Quedron
Product:	CR32	Metaclad R31	1000/32R
Description:	External roofing profile	General purpose external weathersheet	32mm deep external sheet with excellent span capabilities.
Sizes (mm):	1000 x 9000	1000 x 12000	1000 wide x 10000 long (max)
Thickness (mm):	0.5, 0.7, 0.9	0.7	0.50, 0.70
Product:	CR34	Metaclad R31	MW5R
Description:	External roofing profile	External weathersheet with exceptional drainage	32mm deep external sheet with superior drainage.
Sizes (mm):	1000 x 9000	1000 x 12000	1000 wide x 10000 long (max)
Thickness (mm):	0.5, 0.7, 0.9	0.7	0.50, 0.70
Product:	CR38	Metaclad R31	WA6
Description:	External roofing profile	External weathersheet with exceptional load/span performance	38mm deep external sheet with improved structural performance.
Sizes (mm):	914 x 9000	914 x 12000	914 wide x 9000 long (max)
Thickness (mm):	0.5, 0.7, 0.9	0.7	0.50, 0.70
Product:	CR24		
Description:	External roofing profile		
Sizes (mm):	1000 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		
Product:	13½ / 3R		
Description:	External roofing profile		
Sizes (mm):	990.6 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		
Product:	Cover-6		
Description:	External roof profile for covering a new roof or existing asbestos roofing cement cladding		
Sizes (mm):	1016 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		



Single Skin Metal Wall Cladding

	Coverworld	Haironville TAC	Quedron
Product:	CW32	Metaclad C31	1000/32C
Description:	External wall profile	General purpose external weathersheet	32mm deep trapezoidal cladding sheet with 167mm pitch between corrugations.
Sizes (mm):	1000 x 9000	1000 x 12000	1000 x 10000
Thickness (mm):	0.5, 0.7, 0.9	0.55, 0.7	0.50, 0.70
Product:	CW34	Metaclad C34	MW5CS
Description:	External wall profile	External weathersheet with stiffened pan arrangement	32mm deep trapezoidal cladding sheet with 200mm pitch and stiffened pan.
Sizes (mm):	1000 x 9000	1000 x 12000	1000 x 10000
Thickness (mm):	0.5, 0.7, 0.9	0.55, 0.7	0.50, 0.70
Product:	CW38	Metaclad C38	MW5C
Description:	External wall profile	External weathersheet with exceptional load/span performance	As MW5CS with the 2No. stiffening swages omitted.
Sizes (mm):	914 x 9000	914 x 12000	1000 x 10000
Thickness (mm):	0.5, 0.7, 0.9	0.55, 0.7	0.70
Product:	CW24		WA6
Description:	External wall profile		38mm deep trapezoidal sheet with traditional 6" pitch between corrugations.
Sizes (mm):	1000 x 9000		914 x 9000
Thickness (mm):	0.5, 0.7, 0.9		0.50, 0.70
Product:	CW20		1067/20C
Description:	External wall/Soffit profile		Shallow 20mm section, ideal for soffits and fascias.
Sizes (mm):	1000 x 9000		1067 x 6500
Thickness (mm):	0.5, 0.7, 0.9		0.70
Product:	13½/3W		
Description:	External wall/Soffit profile		
Sizes (mm):	990.6 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		
Product:	Super 5		
Description:	External wall profile, which can be used vertical or horizontal.		
Sizes (mm):	900 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		
Product:	Cover-Six		
Description:	External wall profile for covering a new wall or existing asbestos wall cement cladding		
Sizes (mm):	1016 x 9000		
Thickness (mm):	0.5, 0.7, 0.9		

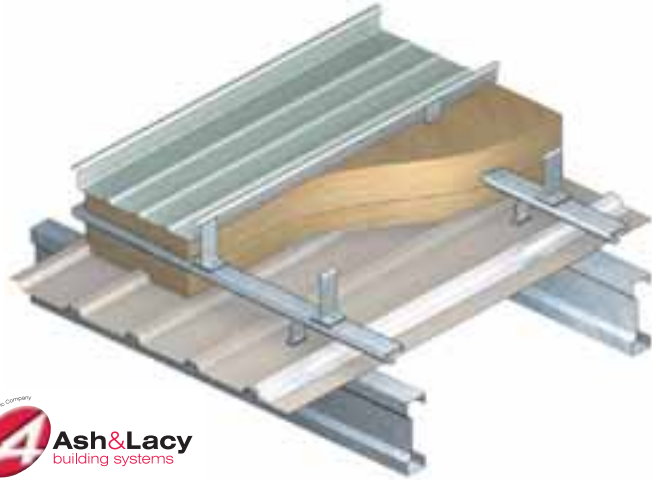
Built Up Systems

Single skin sheets can be used together with liner panels and insulation to create a built up insulated roof/cladding system. Most manufacturers produce the whole range of products to build the system.

The following diagram is an example of how built up systems can be created.

Ashgrid Support System

- The UK industry standard - over 50 million metres installed to date.
- Full range of roof, horizontal / vertical wall and firewall solutions.
- Stringent testing procedures guarantee quality and ensure product is fit for purpose.
- Ribbed bar ensures maximum pullout capacity for screw fixings.
- Twin fixing holes, angled for increased stability and resistance to pullout.
- Thermal pad prevents cold bridging and cushions against fastener stress.
- Fast, safe and cost effective fixing method.
- Meets performance requirements of ADL2.
- Full design and technical support package available.

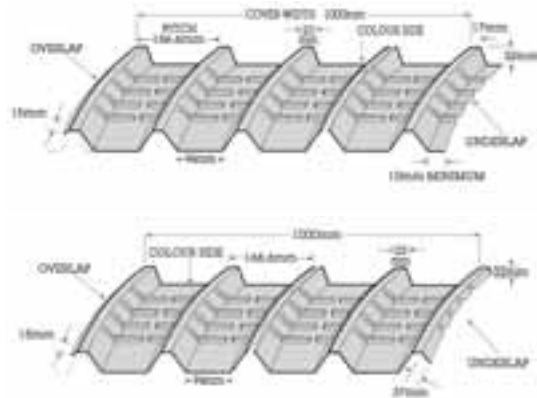


Curved Sheeting

There are a number of practical advantages to curved roof systems. They provide an efficient system of ridge and eave closure saving on fixings, fillers and flashings. Also gutter details can be sited more conveniently or concealed.

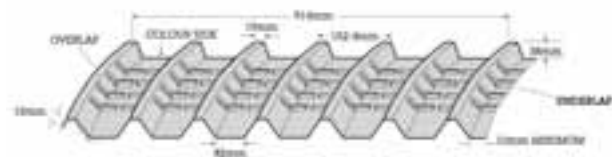
32/1000mm forward and 38/914mm forward

These profiles lend themselves ideally to curved roofing. The regular profile is ideal for the roof with its wide crest and visual appeal on vertical elevations.



MW5

The versatile and popular MW5 profile can be used for roof or wall applications and can be curved externally or internally.



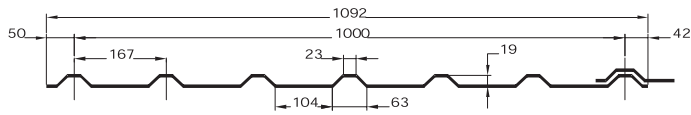
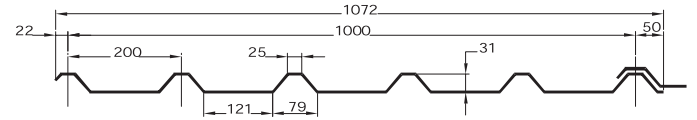
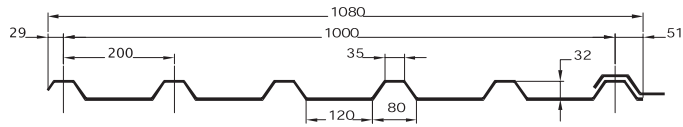
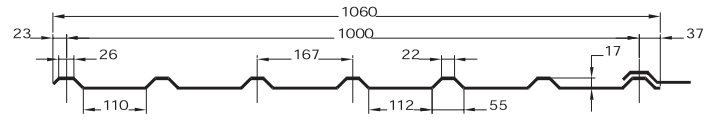
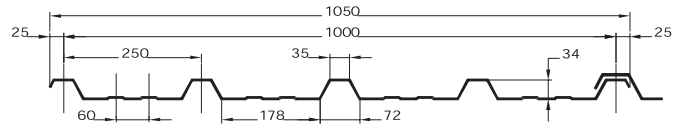
These are just some of the many profiles and systems available. We also provide products to create curved eaves like the image above.

Twin and Single Skin Metal Sheeting: Common Profiles

These are some of the more common profiles, but hundreds of others are available on request. Many of our branches keep standard profiles in stock, however we can source more unusual and even bespoke products on request.

Standard Thicknesses

Roof: 0.7mm
Cladding: 0.5mm
Liner panel: 0.4mm



Twin and Single Skin Metal Sheeting: Colour Charts

Most of the roofing and cladding sheets in our range are available in these colours, unless stated otherwise earlier in this section. Hairoville TAC use a separate list of colours, some of which are shown separately below.

Note: Colour charts are for guidance only. If you are unfamiliar with the colours please ask in your local branch for a small colour and material sample.

Standard Corus colours

White
Albatross
Meadowland
Hamlet
Wedgewood Blue
Moorland Green
Honesty
Aztec Yellow
Bamboo
Goosewing Grey
Solent Blue
Jade
Mushroom
Saffron

Golden Glow
Britannia
Heritage Green
Svelte Grey
Tangerine Orange
Petra
Black
Ocean Blue
Olive Green
Vandyke Brown
Poppy Red
Terracotta
Juniper Green

Standard Hairoville TAC colours

Light Grey
Dark Grey
Albatross
Dark Green
Light Blue
Dark Blue
Beige
Dark Brown
White
Metallic Silver

Insulation

We can source a vast range of industrial insulation products from 83mm to 180mm. Please ask in branch about the correct thickness and legal standards for thermal values.

Products include:

- Rockwool Firewall.
- Rockwool Quilt.
- Rockwool Cladding Roll.
- Knauf Factory Clad.
- Celotex lining board.

All products are available in a range of sizes and thicknesses.



Purlins

Steel Sections Limited

Zed purlins and Cee Sections are available for a wide variety of applications.

Zed Purlins

This is the established "classic" section that combines maximum load bearing efficiency with a simple fixing process. Four systems are available:

The sleeved system: A system of single bay-length sections with sleeves at penultimate supports and at alternate internal supports. The minimum number of spans is two and the maximum span is 10m.

Sleeved Double-Span System: Sleeves are situated at penultimate supports and staggered at internal bays. There are fewer components than the sleeved system, with a maximum length of 15m and a minimum number of spans of 4 and a maximum span is 7.5m.

Heavy End-Bay System: An efficient sleeve system with sleeves at all supports allowing thinner internal purlins compared with end bays. The thicker end bay sections are utilised as sleeve sections at all supports to avoid misplacement on site. The minimum number of spans is 4 and the maximum span is 10m.

Butted System: A single-span system for single span or light loading applications. They can be used within the depth of the supporting section. The maximum span is 9m.

Cee Sections

We can supply a range of Cee sections that are compatible with our Zed Purlins. They are offered cut and punched to customer's exact requirements.



Galvanised Steel

“Crinkly tin” as it is often known is stocked nationwide. These galvanised sheets are an economical solution for cold building applications like barns, pig sheds and lean-to’s.

Coated Sheets

The sheets can be supplied painted or coated to meet your requirements. A Plastisol coating will give you a 25 year guarantee.

Profiles

The most common profiles are 8/3” - 14/3”, but we can source any other profile you require, including boxed profiles.



Bituminised Corrugated Sheets

Onduline is an attractive, lightweight but extremely tough corrugated roofing and wall cladding material. Its proven weathering qualities coupled with the ease and safety with which it can be handled and fixed have resulted in it being used extensively on a wide range of buildings across the globe in all kinds of climatic conditions.

Typical Applications:

Sheds, stables, agricultural buildings.

Nominal material specification

Sheet Size:- 2.000 x 0.950m

Weight:- 6.4kg

Corrugation size:- 9.5 x 3.8cm

Thickness:- 3mm



Handling

Onduline may be stored in freezing temperatures but installation should not be attempted in these conditions. Onduline should be lifted from the pallet, not dragged across it.

Site Storage

Sheets must be stored flat and covered at all times to protect against weather and dust.

Maintenance

To ensure long life we recommend that the roof be cleared of all leaves and any other material at regular intervals. Gutters should be kept in functional order to ensure normal water flow.

Caution

The covering of new and existing roofs should be carried out with due regard to Health and Safety Regulations.

Fire Resistance

All statutory requirements should be adhered to in accordance with relevant National Standards and Codes of Practice.



Maintenance	Needs virtually no maintenance
Versatile	Easy to cut, shape and fix
Guaranteed	15 year insurance-backed water proofing guarantee
Resistant	Colour fast and resists most chemicals
Strong	Withstands windspeeds up to 120mph
Insulation	High insulation and sound absorbency values
Durable	Does not rust, rot or become brittle
Accessories	Full range of accessories available
Colour Range	Available in black, red, green and brown
Certification	BBA certification

Insulated Roof Tile System

Kingspan Insulated Panels

KS1000 RT looks like a traditional tiled roof but it's a modern insulated panel with a shaped exterior. The insulation is built in, just like a composite panel. The product can be used on residential or commercial applications. The system is easy to fit and with thicknesses up to 80mm, approved to LPS 1181.

Sizes Available: Standard lengths 2.1m - 11.525m

- LPCB approved and complies with HSE and CDM safety requirements.
- Fully complies with Part L2 (England & Wales) and Part J (Scotland) Regulations and Standards.
- Suitable for roof slopes of 12 degrees and above.
- Single component and single-fix installation, reduces site time by up to 50%.
- Complies with Parts E & H 'Resistance to the passage of sound' for non-domestic buildings.
- Lifetime durability - up to 25 years to first maintenance and overall life expectancy of up to 40 years.

Dimensions And Weights

A - Core thickness (mm)	45	60	80*	100*
B - Overall dimension (mm)	85	100	120	140
Weight (kg/m ²) 0.5/0.4 (mm)	10.7	11.3	12.2	13.1



Anthracite



Black



Burano



Grey



Terracotta



Roof Refurbishment

Filon

Over-roofing

The Filon Over-roofing system is a strong, lightweight solution for refurbishing old asbestos, fibre cement and metal roofs.

The standard sheets are supplied in a cement grey finish, although other colours are available.

The weights available are from 2.44kg/m² up to Filon Supasafe 4.5kg/m². The sheets are manufactured to meet all current fire grades. The sheets can be used with insulation up to 100mm or even to meet the new Part L regulations if necessary.

Profile match: Cape Fort, Cape Monad, Doublesix, Doublesix M, Major Tile, Trafford Tile, Bigsix, Standard Six, Canada Tile, Atlas Tile, Standard 3", Trofsec, Turnall Combined, Watford Tile.

Lengths (mm): Lengths can be cut up to 12 metres

Weight (kg/m²): 2.44, 3.06, Supasafe

Filon DR Refurbishment

We can supply refurbishment sheets to match most asbestos profiles in either an opaque or translucent sheet. The sheets can be used as a direct replacement, or laid over existing damaged sheets.

Profile match:	Cape Fort
Lengths (mm):	1850, 2150, 3050
Weight (kg/m²):	2.60
Profile match:	Cape Monad
Lengths (mm):	1850, 2150, 3050
Weight (kg/m²):	2.6
Profile match:	Doublesix
Lengths (mm):	1975, 2150, 3050
Weight (kg/m²):	2.6
Profile match:	Doublesix M
Lengths (mm):	1975, 3050
Weight (kg/m²):	2.6
Profile match:	Major Tile
Lengths (mm):	1850, 2150, 3050
Weight (kg/m²):	2.6
Profile match:	Trafford Tile
Lengths (mm):	1550, 1850, 3050
Weight (kg/m²):	3.06

Features and Benefits

No additional weight Filon Over-Roofing contributes minimal weight to the roof as it weighs no more than the weight of water that the asbestos cement sheets will absorb and retain following a prolonged downpour.

Minimal installation costs resulting from a one fix system. Long sheets reduce end laps and speed up laying time. No realignment of gutters necessary.

Minimum disruption of occupants, all fixing being carried out externally.

Reduced heating costs from insulation.

No asbestos handling, no complex disposal problems and no landfill tax.

Permanent weather sealed roof created with a **minimum service life of 30 years** virtually maintenance free.



Industrial Rooflights

Filon

F.A.I.R.S

Factory Assembled Insulating Rooflights (F.A.I.R.S) are available with U-values from 3.0 to 1.0 W/m²K and with class B non-fragility when new.

Standard lengths: Up to 8m

Weight: varies depending upon specification (please ask for advice)

Site Assembled Rooflights

Site assembled rooflights are also available with U-values from 3.0 to 1.0W/m²K and with class B non-fragility when new.

Class B non-fragile liners are available for use with 0.7mm gauge steel liners or class C non-fragile liner for use with 0.7mm gauge steel liners.

Standard lengths: Up to 8m

Weight: varies depending upon specification (please ask for advice)

Filon Supasafe

Supasafe is a rooflight that remains non-fragile for the expected life of the roof and is the only product on the market that can meet this claim.

Standard lengths: Up to 8m

Weight: 4.5kg/m²

Single Skin GRP Rooflights

Available in over 900 profiles and weights from 1.83kg/m² through to 4.0kg/m².

Monarch Barrel Lights

Factory assembled GRP Barrel vault rooflights are designed for use in conjunction with shallow pitched roofs, standing seam systems and flat decks. They are also suitable for curved roofs down to a minimum 25m radius. The specification can be adapted to meet all current CDM regulations as well as complying with current fire rating requirements.

Widths available: 500/508mm, 800mm, 1000/1016mm and 1200mm.

Finesse

Finesse is a high grade polycarbonate rooflight system for both curved and flat roofs. The product is easy to fix with spans of 2m-8m available.

Widths: 500mm, 1000mm

Thickness: 10mm, 16mm, 25mm

The Filon range comes in a number of different fire grades, depending on your requirements.



Fibre Cement Sheeting

We supply the full range of Eternit profiled fibre cement sheeting in profile 3 and 6R. These products are ideal for small and large structures in the agricultural, industrial, and domestic sectors, including garages and sheds.

Marley Eternit

Eternit Profile 3

Description:	Profile 3 is ideal for small structures in the agricultural, industrial and domestic sectors, including garages, sheds and smaller buildings.
Lengths (mm):	1375, 1525, 1675, 1825, 2125, 2450, 2600, 2750, 3050
Width (mm):	782
Thickness (mm):	5.8
Min Pitch:	10°
Colours:	Natural Grey, Blue/Black (BS 18 B 29), Laurel Green (BS 12 B 29), Dark Brown BS 08 B 29, Gun Metal Grey (BS 18 B 25). An extended range is available on request.

Eternit Profile 6R

Description:	Profile 6R has a very broad appeal and is designed for vertical cladding in both single skin and insulated constructions.
Lengths (mm):	1525, 1675, 1825, 2125, 2450, 2600, 2750, 2900, 3050
Width (mm):	1086
Thickness (mm):	6.7
Min Pitch:	5°
Colours:	Farmscape matt finish is available in: Anthracite (grey), Serpentine (green), Jasper (brown), Natural Grey. Standard colours are Blue/Black (BS 18 B 29), Laurel Green (BS 12 B 29), Dark Brown (BS 08 B 29), Gunmetal Grey (BS 18 B 25). An extended range is available on request.

Benefits:

- Vapour permeability significantly reduces condensation.
- High level of corrosion resistance increases life expectancy.
- Excellent acoustic and thermal insulation.
- Non-combustible Class O material.
- Completely weatherproof.
- Maintenance-free and guaranteed for 30 years.
- BBA certified.
- Complies with BS EN: 494.



Colour Chart

Standard colours

Natural Grey Unpainted	Blue BS 18 - B - 29
Gunmetal Grey BS 18 - B - 25	Laurel Green BS 12 - B - 29
Brown BS 08 - B - 29	Extended range of colours available on request

Farmscape

A matt finish, that avoids the shiny appearance of newly painted sheets. Farmscape is available in Anthracite (grey), Serpentine (green), and Jasper (brown).

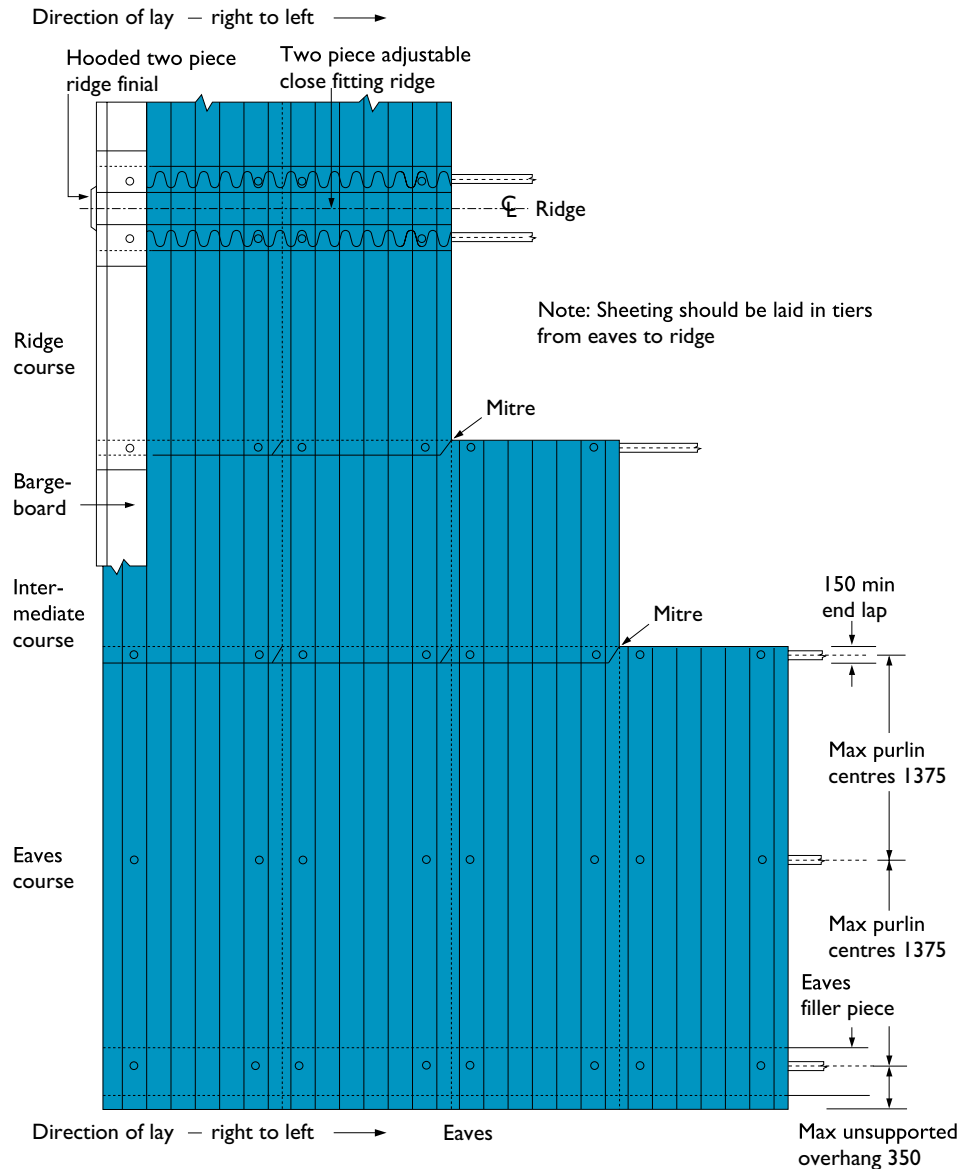


Fibre Cement Ancillaries

Ridge fittings, flashings and closures, movement joints, curves and bends, Trafford Tile sections, non-profiled components, ridge ventilators and rainwater goods and much more.

Setting out plan

This typical double slope roof is shown with a two-piece adjustable close fitting ridge and Profile 6R sheets.



Secure Glazing

Secure glazing from Smyth Composites Ltd is a safe glass look alike, that is as strong as steel and light as glass. GRP secure glazing is available in a Georgian wire glass finish that doesn't shatter or splinter.

Size: 8 ft x 4 ft sheets or cut to order. Thickness: 3mm plus.

- Virtually indestructible
- Easy to clean
- Complies with EU directive HSG33
- Available up to class 'O' fire rating
- Easy to install
- Doesn't melt



Hard Metals

Terned Coated Stainless Steel

Stainless Steel is the most durable of all metals in natural environments and can be used for pitched and Industrial applications.

Ugine

Uginox	Ugitop
316 AME (0.4mm Gauge)	316 '44' (0.5mm Gauge)
316 AME (0.5mm Gauge)	304 '43' (0.5mm Gauge)
	316 '44' (0.4mm Gauge)
	304 '43' (0.4mm Gauge)

Widths (UGINOX): 580, 1000, 1160, Other sizes available on request

Widths (UGITOP): 580, 1000

Weight: 100kg Coils (average)

Ancillary Items:

Product	Packing Quantities
Metmatt noise reduction felt - Each coil is 50m ²	3 (150m ²)
Fixed Cleats	300
Sliding Cleats - 0.6mm Gauge Base, Long Slots	100
Stainless Steel Nails - Ring Shanked 3.2mm, Largehead	5kg



Zinc

VM Zinc Coils

Finish	Thickness (mm)	Width (mm)	KG Coil	Per Pallet
Natural*	0.70	500	100	10
Natural*	0.70	650	100	10
Natural*	0.70	670	100	10
Natural*	0.80	500	100	10
Natural*	0.80	650	100	10
Natural*	0.80	670	100	10
Quartz*	0.70	500	100	6
Quartz*	0.70	650	100	6
Quartz*	0.70	670	100	6
Quartz*	0.80	500	100	6
Quartz*	0.80	650	100	6
Quartz*	0.80	670	100	6
Anthra	0.70	500	100	6
Anthra	0.70	650	100	6
Anthra	0.70	670	100	6
Anthra	0.80	500	100	6
Anthra	0.80	650	100	6
Anthra	0.80	670	100	6

*VM Plus Coating available to protect the material against white rust



Delta VM Zinc System

Finish	Thickness	Width (mm)	Length (mm)	Per Pallet
Delta VMZ Film	0.60	2000	20,000	1
Delta VMZ Film	0.60	2000	20,000	5

Hard Metal Accessories

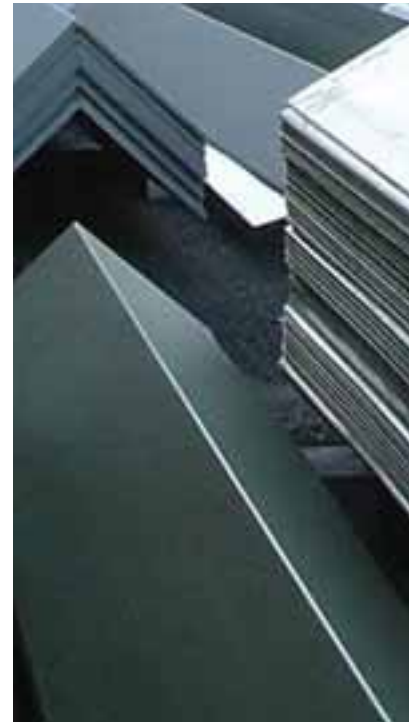
Stainless Steel:	
Fixed Clip	100 per box
Sliding Clip	250 per box
Clip	100 per box

Steel Flashings

All flashings are purpose made to your specification. They can be used with plastic coated steel and galvanised sheeting. We will match the colour and the material of the sheeting you are using for your roofing and cladding. Joints may be lapped or end-butteted. Butt joints are sealed with a butt strap behind the joint. We strongly recommend the edges are welded for extra rigidity and safety during handling.

When ordering

Please forward sketches with all the dimensions and angles you require as well as the flat width before bending and the number of bends required (two for each welded edge plus 10mm of extra material per welt).



Industrial Roof Drainage

We stock a huge range of gutters in different materials from the top manufacturers.

Systems Available: Standard, high capacity and trim-line systems.

Materials Available: Plastic, galvanised steel, aluminium, cast iron and fibre cement.

Application checklist

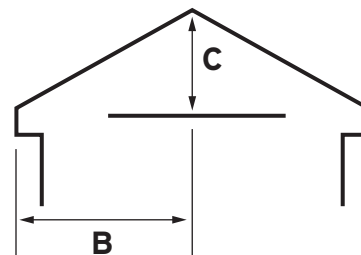
To select the rainwater system suitable for your application, check the following:

1. Rainwater outlet positions with regard to the underground drainage system.
2. Reveals, recesses, corners etc. to determine the gutter/outlet combination you require.
3. The effective maximum roof area to be drained, see diagram.
4. The distance of gutter angles from the nearest outlets.

CALCULATE EFFECTIVE MAXIMUM ROOF AREA

This can be calculated by using the following formula:

$$\left(B + \frac{C}{2}\right) \times \text{length of roof} = \text{area in}^2$$



Hunter - Plastic Roof Drainage Systems

Hunter Highflo/Stormflo

		Gutter Fixed Level		Gutter fixed at 1:350 fall	
High Capacity	Gutter Flow (litres/sec)	Roof Area (m ²)	Gutter Flow (litres/sec)	Roof Area (m ²)	
Highflo	2.8	136	2.9	137	
Stormflo 110 mm	5.9	282	5.9	284	
160 mm	6.6	318	6.7	320	
Downpipe at centre					
Highflo	5.4	258	6.0	289	
Stormflo 110 mm	11.1	534	12.4	598	
160 mm	12.5	601	14.0	673	



Floplast - Plastic Roof Drainage Systems

FloPlast Rainwater systems offer a wide choice of designs, ranging from Traditional Half Round to a modern Squareline and very popular Niagara Ogee style. The Range includes innovative products to make life easier for the installer e.g. Adjustable Angles make quick work of all those awkward situations whilst the extensive range of adaptors allow easy connections to the majority of shapes and sizes. All fittings are individually wrapped, so they arrive in perfect condition.

Commercial Rainwater System Gutter & fittings: 165mm

Description	Size (mm)	Pack quantity
Gutter - 4m	165	4
90° Angle	165	10
Stopend external	165	10
Stopend internal	165	10
Fascia bracket	165	10
Running outlet	165	10
Union bracket	165	10

Commercial Rainwater System Pipe & Fittings: 110mm

Description	Size (mm)	Pack quantity
Pipe 3m	110	2
Pipe 4m	110	2
135° Top offset bend	110	10
135° Bottom offset bend	110	10
Shoe	110	10
Pipe clip	110	10
92° Access bend	110	10
Access pipe socket/spigot	110	10
92° Soil pipe branch	110	10
Rise & fall rafter bracket	110	10
Top rafter bracket	110	10
Side rafter bracket	110	20

Important when ordering: To indicate the product colour(s) required the following code suffixes should be used: B = Black, G = Grey
For optimum performance of Commercial gutter systems we recommend the use of Floplast 110mm Commercial Downpipe System.

*Floplast will fabricate any non-standard angle to special order.

Additional fittings and accessories are available for ring/soil systems.

Lindab - Galvanised Steel Roof Drainage Systems

Lindab Half Round Rainwater System Gutter & fittings

Description	Size (mm)	Pack quantity	Material	Plastisol Colours
Gutter - 4 metre standard length, R	100, 125, 150, 190	1		
90° Angle Internal/External, RVI/RVY	100, 125, 150, 190	1		
135° Angle, RVI/RVY	100, 125, 150, 190	1		
Stop End, Left/Right, RGV/RGH	100, 125, 150, 190	1		
Stop End, Self Locking, RGT	100, 125, 150	1		White/ Black/
Joint bracket with rubber seal, RSK	100, 125, 150	1	Galvanised Steel/ Natural Copper	Dark Grey/ Brown/
Fascia bracket, KFK	100, 125, 150	1		Tile Red/ Red
Adjustable snap on bracket, SSK	100, 125, 150	1		
Fascia bracket L = 240 mm, K24	190	1		
Fascia bracket L = 240 mm, K30	190	1		
Rafter bracket L = 196 mm, KFL (Pre-bent brackets: add 0.35 per bend)	100, 125, 150	1		
Rise & fall bracket, RFKF	100, 125, 150	1		
Spike: Rise & fall bracket, RFKF	100, 125, 150	1		

Lindab Rectangular Rainwater System Gutter & fittings

Description	Size (mm)	Pack quantity	Material	Plastisol Colours
Gutter - Standard length 4 metre, RER	136	1		
90° Gutter angle Internal/External RERVI/RERVY	136	1		
Stop End, Left/Right, RERGV/RERGH	136	1	Galvanised Steel/ Natural Copper	White/ Black/
Gutter Joint with rubber seal, RERSK	136	1		Dark Grey/ Brown/ Tile Red/ Red
Gutter bracket rafter, REK21	136	1		
Gutter bracket fascia, REK05	136	1		
Gutter outlet, REOK	136	1		

Lindab Downpipe Rainwater System & Fittings

Description	Size (mm)	Pack quantity	Material	Plastisol Colours
Down pipe - 3 metre standard length, SROR	75, 87, 100, 111, 120	1		
Intermediate pipe, MST	75, 87, 100, 111, 120	1		
Down pipe bracket, SSVH	75, 87, 100, 111, 120	1	Galvanised Steel/ Natural Copper	White/ Black/
70° pipe bend, BM (2 bends per offset required)	75, 87, 100, 111, 120	1		Dark Grey/ Brown/
90° pipe bend, BM (2 bends per offset required)	75, 87, 100, 111, 120	1	Tile Red/ Red	
Shoe, UTK	75, 87, 100, 111, 120	1		
Pipe connector, SRORM	75, 87, 100	1		
Rod access pipe, MSTR	75, 87, 100, 111, 120	1		
Drain tap for down pipes, RT (HD Polythene only)		1		
Self cleaning leaf trap, SLS (HD Polythene only)		1		
Adjustable branch, GROR	75, 87, 100	1	Galvanised Steel/ Natural Copper	White/ Black/
Adjustable shoe, FUTK	75, 87, 100	1		Dark Grey/ Brown/
One piece bend, SOKN	75, 87, 100	1	Tile Red/ Red	
Small rectangular water hopper, VATK	75, 87, 100	1		
Drainage connector, MRT (HD Polythene only)		1		