

Serving the best quality products at the best prices from all over the world.



For over twenty-five years we have been providing a unique distribution service to Builders Merchants throughout the UK and the Irish Republic.

Service Re-Defined

We are pleased to present our 2019 catalogue which contains many new products – this is in line with our mission to seek out the best construction products at the most competitive prices from all over the world.

Our company has been in business for over 25 years and is still in family ownership. We are proud to have well trained helpful staff who really understand what our customers want and how to deliver on their needs.

Our stock holding has never been higher – we have the products which Builder's Merchants need, when they need them at the price they need to compete in a demanding market and our range is second to none. We can deliver anywhere in the UK, next day if required from our 51,000 square foot warehouse centrally located in South Yorkshire.

Due to our huge range and ever-changing trading conditions, particularly on our imported products we urge you to contact our sales office or local representative and we will structure an individual quote to suit your needs.



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ROOFING



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BREATHABLE ROOF MEMBRANES

Rhinovent Breathable Roof Tile Underlays are a composite structure, manufactured by lamination of a water vapour permeable film between two layers of nonwoven Spunbord polypropylene to form a flexible, vapour permeable, roof tile underlay for unsupported and fully supported specifications.



Rhinovent Ultra 112gsm

1m x 50m	roll
1.5m x 50m	roll

Rhinovent Pro 125gsm

1m x 25m	roll
1m x 50m	roll
1.5m x 50m	roll

Rhinovent Super 165gsm

1m x 50m	roll
1.5m x 50m	roll

Wind Uplift Test Results

Product	≤ 345mm batten gauge with battened laps	≤ 250mm batten gauge with battened laps	≤ 345mm batten gauge with taped laps	≤ 345mm batten gauge with counterbatten
Rhinovent Ultra	Zone 1	Zones 1 to 5	Zones 1 to 5	Zones 1 to 5
Rhinovent Pro	Zones 1 to 2	Zones 1 to 5	Zones 1 to 5	Zones 1 to 5
Rhinovent Super	Zones 1 to 3	Zones 1 to 5	Zones 1 to 5	Zones 1 to 5

STROTEX



- Roof underlay for both warm and cold pitched roofs
- CE certified quality product
- Provides a barrier to wind driven rain, snow and dust into the roof void
- Excellent waterproofing characteristics
- High water vapour permeability
- Membrane is lightweight, strong and easy to handle and install
- UV stabilised and has an increased flammability resistance

Strotex Ultra U95 95gsm

1m x 50m	roll
1.5m x 50m	roll

Strotex Extra E115 115gsm

1m x 15m	roll
1m x 50m	roll
1.5m x 50m	roll

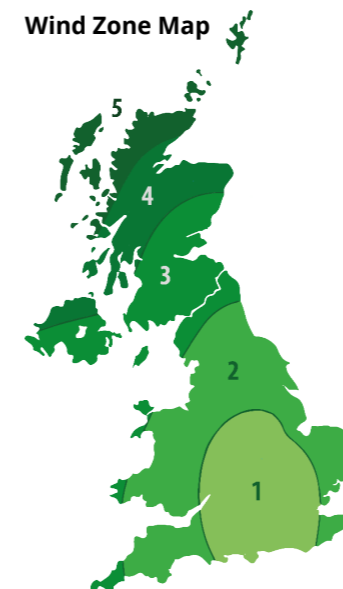
Strotex Super S125 125gsm

1m x 50m	roll
1.5m x 50m	roll

Strotex Supreme 170 170gsm

1.5m x 50m	roll
1m x 50m	roll

Wind Zone Map



Wind Uplift Test Results

Product	≤ 345mm batten gauge with battened laps	≤ 250mm batten gauge with battened laps
Strotex Ultra U95	Zone 1	Zones 1 to 5
Strotex Extra E115	Zones 1 to 3	Zones 1 to 5
Strotex Super S125	Zones 1 to 4	Zones 1 to 5
Strotex Supreme 170	Zones 1 to 4	Zones 1 to 5



ROOF TILE UNDERLAYS

Sark-IT Roof Underlay Non-Breathable



1m x 15m	roll
1m x 45m	roll

Sark-It is a high vapour resistance air & liquid barrier roofing underlay. It is durable, clean, easy to cut & install, and offers excellent temporary protection against wind driven rain, snow & dust.

Conforms to the construction products regulation (EU Regulation No. 305/2011). Underlay for discontinuous roofing (Annex ZA of EN 13859-1) and is manufactured under control of an ISO 9001 quality management system.

1F Bitumen Slaters Felt



1m x 15m	roll
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Traditional Roof Tile underlay - Non breathable.

BITUMEN ROOFING FELTS

Heavy Weight Green Mineral Felt



1m x 10m 32kg	roll
1m x 10m 38kg	roll

Traditional pour and roll cap sheet. Can be installed with hot melt bitumen or cold felt adhesive.

Shed Felt



1m x 5m 10kg	roll
1m x 10m 20kg	roll

Intended for use on a cost effective waterproof covering on temporary portable buildings with pitched roofs, such as garden sheds, stables, kennels and other non-inhabited structures. Membranes should be installed in accordance with the manufacturer's guidelines.

Traditional Bonding Felt



1m x 10m	roll
1m x 20m	roll

Reinforced bitumen sheets for multilayer roof waterproofing.

ROOFING TORCH-ON FELT

Sappi SBS Torch on Felt



20
YEAR
GUARANTEE

1 x 16m Evermore 2mm Glass Underlay	roll
1 x 8m Evermore 4kg Polyester Sand	roll
1 x 8m Evermore 4.5kg Mineral	roll
1 x 8m Evermore 5kg Mineral	roll

High elasticity makes it perfect for all structures particularly subject to dimensional variations and wherever elasticity and resistance are required. The SBS torch on roofing membrane range is also available with glass-fibre mat reinforcement, which makes it rot proof and provides maximum dimensional stability.

Maxi-Project



20
YEAR
GUARANTEE

1m x 7.5m	roll
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Maxi project single layer mineral overlay membranes are new generation APAO membranes, specifically formulated by SAPPI to provide the ideal solution for re-roofing of mineral finish roofs.

Quick and easy to apply thanks to their special APAO bitumen compound mix. After application maxi project requires only minimal routine maintenance. 4mm plus mineral for a 15 year guarantee and 5mm plus for a 20 year guarantee.

Sappi Ala APP



Ala Mineral 4.5kg	roll
Ala Sand 4kg	roll
Ala Underlay 2kg	roll
Ala Charcoal 4.5kg	roll

Highly robust torch on membrane for all flat roof applications. Economical and easy to apply.

EVERED APP



10
YEAR
GUARANTEE

2kg Glass Based	16m x 1m roll
4kg Sand	16m x 1m roll
4.5kg Mineral	16m x 1m roll
4.5kg Charcoal	16m x 1m roll
5kg Mineral	16m x 1m roll

Evered torch applied membranes provide reliable and effective flat roof waterproofing, combining the qualities of excellent performance, good cold flexibility to minus 5 degrees, resistance to heat and UV rays with insurance warranted guarantees. Suitable for use with various underlays including Phase thermo-adhesive (heat activated or self adhesive in a built-up system, refurbishment overlay to meet every budget. The membranes are suitable for new build and refurbishment and carry insurance warranted guarantees.

EVERPOL TRUE BLACK



10
YEAR
GUARANTEE

5kg True Black	1m x 8m
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High quality APP Polyester Torch On. Grooved underneath for faster more economical installation. Unique "True Black" Micro Granular finish.

Available Colours



ROOFING SOLUTIONS

General Purpose Primer



General Purpose Primer 5l, 25l

General purpose primer seals porous substrates and encourages the adhesion of bituminous waterproofing systems and sheet coverings. It may be applied successfully to a wide range of surfaces:

- Metal - Mild steel, zinc, lead
- Concrete
- Asbestos cement
- Slate
- Lightweight concrete screeds

Roofing Felt Adhesive



Roofing Felt Adhesive 2.5l, 5l, 25l

A cold applied bitumen adhesive suitable for all types of felt. Also used as a lapping adhesive.

Rubber Bitumen Emulsion



Rubber Bitumen Emulsion 5l, 25l

A cold applied latex rubber bitumen emulsion for roofing and damp proofing. Gives excellent elasticity and can be applied to damp surfaces. Extensively used as a liquid DPM.

Black Bitumen Paint



Black Bitumen Paint 5l, 25l

A waterproofing protective coating designed to reduce decay, type 2, BS3416

All Weather Roofing Compound



All Weather Roofing Compound 5l

A heavy roof coating for use on various buildings, producing a highly efficient waterproof membrane. Ideal for repairs to flat roofs, this product can be used with a suitable scrim to form a long lasting weather proof coating.

Aluminium Solar Reflective Paint



Aluminium Solar Reflective Paint 5l

Gives a solar reflective finish over bituminous coatings and primed steel. Used in place of chippings, damage to membranes is easily seen and can be repaired before damage to decking occurs.

Elastocryl



Weight 5kg Tin
Coverage 2.5 - 5m²
Colour Grey

Elastocryl is a one coat roofing repair system with fibres, For Instant Waterproofing. Ideal for carrying out repairs to flat roofs, pitched roofs and gutters. Suitable substrates include weathered asphalt and bituminous surfaces, concrete, brickwork, fibreglass, felt metal (galvanised and ferrous).

5kg Tin: Coverage (approx): 2.5 - 5m²

- Instant Waterproofing
- Flexible
- Seamless
- Excellent adhesion

ROOFING TORCHES & VALLEY TROUGHS

Fiamma Professional Roofer's Torch



Hose length 5m

This torch has been specifically designed and made for the application of modified bitumen membranes. Thanks to its powerful flame, this torch allows very good performance and high out-put. The valves are made of brass while the hand-wheel is made of plastic. It is flame-welded with a silver/copper alloy and each part is tested.

Piezoelectric Ignition

It is very handy to light the torch because it avoids gas dispersion and losses of time to the user.

Protective coil

The protective coil prevents the gas hose from bending and cutting at its weakest point, that is the connection with the torch. It is fitted as standard to all the models.

Brenner Easy Torch



Hose length 5m

This torch has been specifically designed and made for the application of modified bitumen membranes. It has been designed paying the greatest attention to safety and environmental aspects and also taking into consideration ergonomic factors and noise levels. It is flame welded with a silver/copper alloy and each part is tested.

Stand

It is possible to put down the torch with the bell upwards by using the stand in order to avoid the contact of the flame with the surface to be heated.

Protective coil

The protective coil prevents the gas hose from bending and cutting at its weakest point, that is the connection with the torch. It is fitted as standard to all the models.

VALLEY TROUGHS

Fibre Glass Valley Troughs



360mm x 3m Fibreglass

A Valley Trough is a narrow valley trough for use with single lap tiles in limited applications. The valleys incorporate a 35mm sanded strip for the mortar adhesion.

- At least durable as lead
- Similar in appearance to lead
- Less prone to theft
- Quick to install
- UV light and acid rain resistant

Fibre Glass Bonding Gutter



3 metre secret gutter (bonding) Fibreglass

Fibre glass bonding Gutters provide a waterproof seal between the adjacent roofs of terraced houses or where a new roof needs to join an existing roof. The gutter can join any combination of slates, double lap or interlocking tiles with minimal disturbance to the adjacent roof. The design ensures there is a minimum kick up of the slates. There is a 50mm wide sanded strip for mortar retention.

3 Metre Abutment Soaker

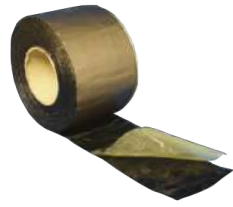


3m Fibreglass

Abutment Soakers provide weatherproof protection between a pitched roof and a vertical wall abutment. They are available lipped for fixing directly into the wall or unlipped for use with a separate flashing band. Manufactured in GRP, they are a tough and long lasting alternative to lead, and are cheaper, quicker to install and less prone to vandalism and theft. The bonded 25mm sanded strip give maximum mortar adhesion and the two water bars along the horizontal section prevent moisture entering the roof space.

ROOFING ANCILLARIES

Flashing Tape



75mm, 100mm, 150mm, 225mm, 300mm, 450mm, 600mm

Balloon Guards



2.5", 3", 4", 6", 8", 9" Wire Mesh Guard

Non Asbestos Undercloaking



1200mm x 150mm

Rise & Fall Brackets



112mm

Self adhesive flashing tape comprises of an aluminium foil with bitumen rubber adhesive. The tape is applied by simple hand pressure to give an immediate watertight seal which will continue to improve with time.

Galvanised Wire mesh Balloon protects chimneys from birds/leaves and debris.

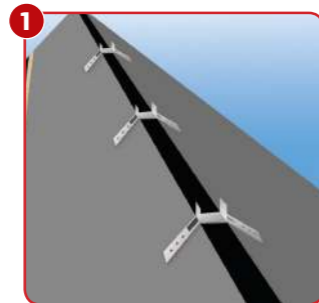
Non asbestos undercloaking strips, often used as a closure or fire stop.

Adjustable for height by nuts supplied. Drive in spike for ease of installation. Stocked in square and 1/2 round patterns, 112mm

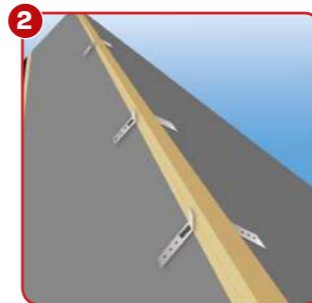
Universal Dry Ridge Kit 6m

Installation Guide

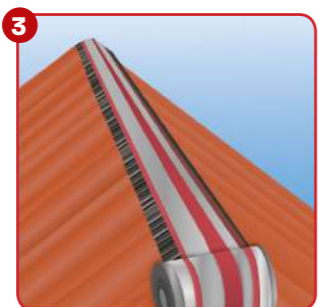
- Unique jointing system for ultimate versatility
- Can be used with both half round and angled ridges
- Dry fix is the fastest way to install ridge tiles
- No wet trades needed
- Smooth line providing a discreet appearance



Lay a suitable tiling underlay over the apex of the roof. Fix roofing battens up to the top course of tiling. If ventilation is required into the roof space, then the underlay should be left short of the apex to leave a small gap of between 5mm - 8mm. Adjust the height of the brackets by bending the bracket at the appropriate height.



Using 30mm stainless steel annular ring shanked nails, fix a Batten Support Bracket to the apex of every rafter. Nail each bracket to the rafters through the holes on each side. Lay a batten between the support brackets and tile the roof as normal.



Roll out the Vent Roll along the entirety of the ridge. Tack the roll at 1m intervals to the ridge batten using staples or felt nails. Provide a minimum overlap of 100mm when joining lengths of Vent Roll. Clean the tiles and ensure they are dust free. Remove the protective tape from the adhesive strip on the underside of the Vent roll. Press the entire length of the adhesive strip on to the tiles so that the corrugated strip molds into the profile of the tiles. Ensure that the Vent Roll is fully sealed along the entire ridge on both sides.



Lay the ridge tiles along the ridge, placing a Ridge Union between each pair of adjacent ridge tiles. Secure the ridge tiles to the ridge batten by screwing the Clamping Plate over the ridge tile and into the ridge batten. After laying all the ridge tiles ensure the finishing ridge tiles are fixed at both ends. If mortar is not being used at the ends of the ridge, cap the ridges off with a block end ridge or ridge end cap.

Box Contents

6m Dry Ridge roll,
13 Dry ridge union strips + clips
10 Ridge brackets,
13 Fixing screws
13 Clamping plates



GRP ROOFING



DURABLE, ATTRACTIVE, COST EFFECTIVE AND MAINTENANCE FREE

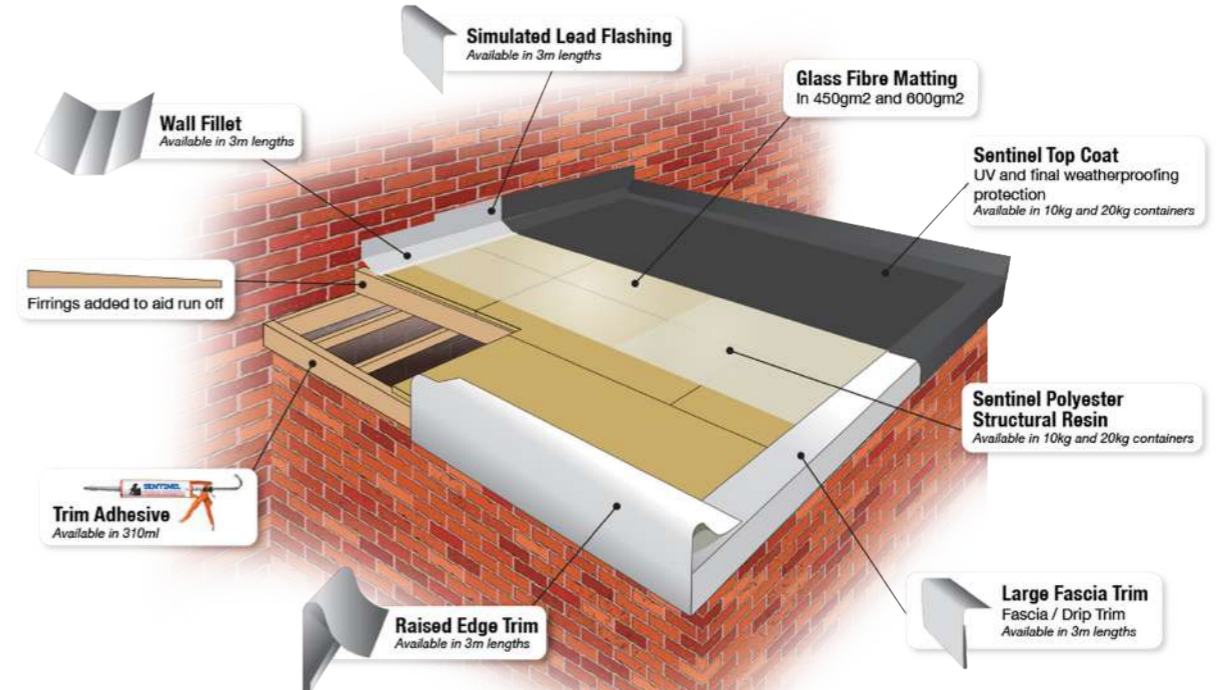
FROM SMALL DOMESTIC TO LARGE COMMERCIAL

PREMIUM UNBLENDED VIRGIN RESIN

LLOYDS APPROVED



www.sentinelgrp.co.uk





The Sentinel GRP is a premium, specially developed unblended virgin resin system that accommodates everyday structural expansion and contraction and can be moulded and shaped into even the most complex of architectures.

Sentinel GRP is a long term, leak free and value for money system for flat roofs of any shape and size, from small porches to large domestic and commercial projects. GRP roofing technologies are extensively used for refurbishment of new roofs, by local authorities, architects, and major building contractors throughout the UK.

Sentinel Premium Resin



Sentinel Premium Resin	10kg
Sentinel Premium Resin	20kg

Sentinel Premium resin is a specially formulated non-blended polymeric coating for this application. For estimating purposes you should allow 1.5kgs per square metre of roof area.

Sentinel Premium Topcoat



Sentinel Premium Topcoat	10kg
Sentinel Premium Topcoat	20kg

Sentinel Premium Topcoat is a specially engineered polymeric surface coating designed to withstand all the elements that a roof may encounter. Sentinel Topcoat is pigmented dark grey. For estimating allow 1kg of Topcoat per 2 square metres. Other colours are available to special order.

Features

Lloyds Approved

Pure Virgin Resin

Approved Installer Training

25 Year Materials Guarantee

Key Benefits

- Seamless
- Leak Free
- Maintenance Free
- Architectural Finish
- Lightweight & Flexible
- Strong & Stable
- Complex shapes

Uses

- Extensions
- Garages
- Dormers
- Architectural Projects
- Bespoke Detail
- Simulated Lead Flashing
- Porches
- Balconies
- Bay Windows
- Summer Houses
- Green Roofs
- Non Slip Walkways

Sentinel Hardener & Winter Grade Hardener 5kg



Sentinel Hardener	5kg, 1kg
Winter Grade Hardener	5kg

To enable both Resin and Topcoat to set (cure) you need to add a catalyst. This is called MEKP which is methyl ethyl ketone liquid; you need to add at a rate of between 1 and 4% by weight depending on the weather conditions.

Sentinel Acetone



Sentinel Acetone	5L
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Acetone is used for cleaning tools and rollers and surfaces prior to applying resin or topcoat.

Sentinel MS Polymer Adhesive Sealant



White MS Polymer Sealant/ Adhesive	290ml
Grey MS Polymer Sealant/ Adhesive	290ml

Use Sentinel Dual purpose MS Polymer adhesive sealant for fitting the roofing trims and also sealing other areas of the roof. The product is supplied in 310ml tubes which can be used with a standard mastic dispenser. This product will give excellent adhesion and sealing properties and is moisture tolerant.

Chopped Strand Matting



450gsm	16.5kg
450gsm	33kg
450gsm	15m
600gsm	33kg
600gsm	16.5kg
100mm x 50m bandage	

Sentinel Glass-Fibre-Mat is available in two weights, 450gsm and 600gsm. It is emulsion bound chopped strand mat and is used to reinforce and bind the system. The 450gsm is the standard product for most applications and the 600gsm is designed for use in trafficked applications such as balconies and terraces.

GRP Roofing Kit 13m²

Kit Contents

- 1 x 70mm x 21mm Consolidating Paddle Roller
- 1 x 225mm x 21mm Consolidating Paddle Roller
- 1 x 3" Fluffy Roller + 2 x Refill
- 1 x 6" Fluffy Roller + 2 x Refill
- 2 x 2" Laminating Brushes
- 2 x 4" Laminating Brushes
- 2 x 10L Bucket
- 1 x 1kg Catalyst in Dispensing Bottle
- 1 x 290ml MS Polymer Sealant/Adhesive

- 1 x Sentinel Premium Resin 20kg
- 1 x Sentinel Premium Topcoat 10kg
- 1 x 450g Chopped Strand Matting 15 Roll



AQUA GRP

Aqua GRP Resin when used with Aqua GRP Topcoat provides a leak free cost effective flat roofing system.

The system is cold applied and does not require any use of flame torches making installation safer.

When competently installed the Aqua GRP range creates a seamless, frost proof and strong flat roof of any shape and size.

Aqua Resin and Topcoat should be mixed with a quality hardener and is compatible with all good quality components such as GRP trims, trim adhesives and chopped strand matting.

Economical alternative to Sentinel

Aqua GRP Roofing Resin



Aqua GRP Resin	17ltr (20kg Gross)
Aqua GRP Resin	8 ltr (10kg Gross)

Polyester resin for use in flat roofing applications.

Aqua GRP Roofing Topcoat



Aqua GRP Top Coat	17 ltr (20kg Gross)
Aqua GRP Top Coat	8 ltr (10kg Gross)

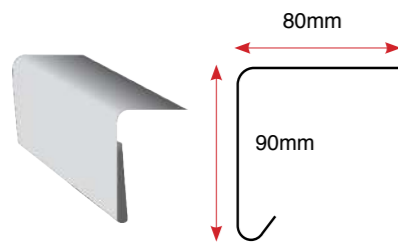
Steel grey, Specially formulated Top Coat.

GRP TRIMS

Highest quality trims, no sanding required in normal use. Can be used with all GRP Roofing Systems.

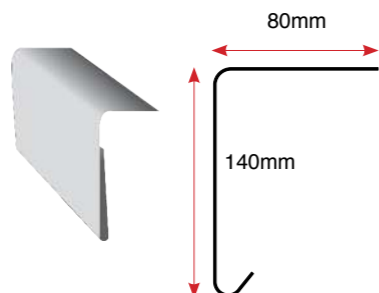
A200 Standard Drip

Flat roof edge above gutter.



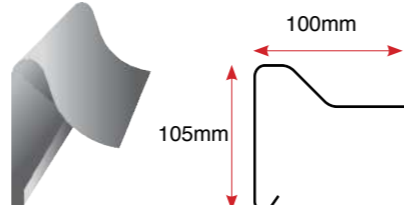
A250 Large Drip

Flat roof edge above gutter



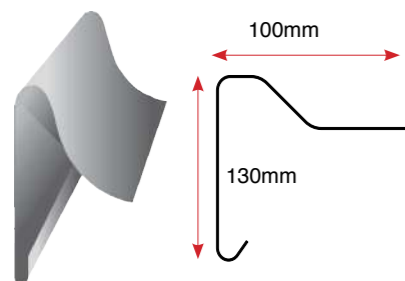
B230 Raised Edge

Fitted to prevent water run off.



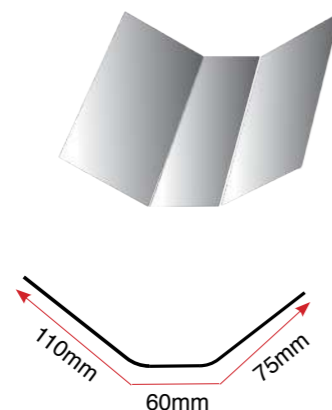
B260 Raised Edge

Fitted to prevent water run off.



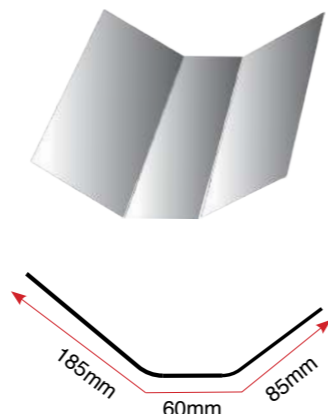
D260 Angle Fillet

Buts up against up-stand wall.



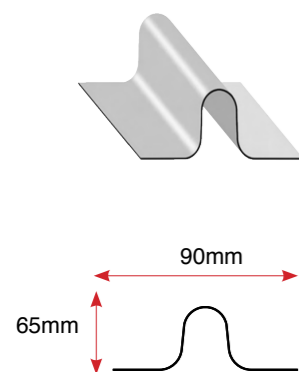
D300 Angle Wall Fillet

Wider Fillet - Buts up against up-stand wall.



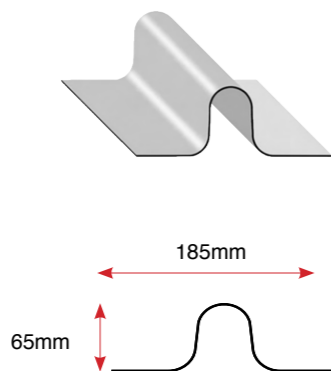
ER35/50 Ridge Roll

Simulates Lead Roll.



E280 Expansion

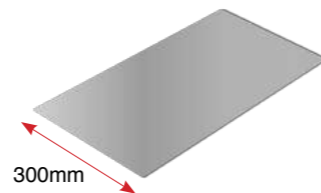
For use on large areas.



F300 Flat Sheet

Used for continuous flashing under slates at a roof junction.

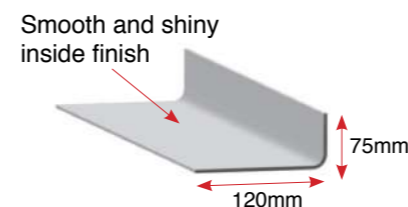
300mm flat sheets available in 5m lengths



GRP TRIMS

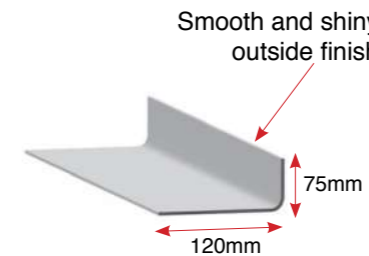
AT195 External

Internal trim to be used for gutters, floors e.t.c. (Smooth and shiny inside finish)



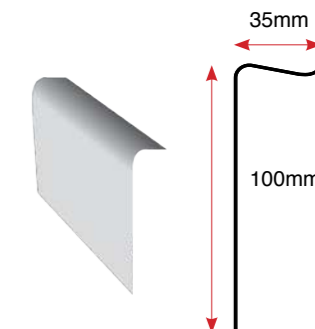
AT195 Internal

External Trim to be used for gutters, floors e.t.c. (Smooth and shiny outside finish)



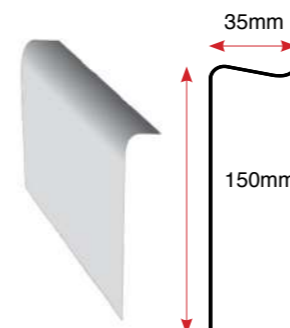
C100 Simulated Lead

Replaces traditional lead flashing



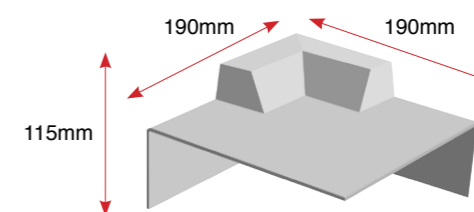
C150 Long leg Simulated Lead

Long leg simulated lead flashing.



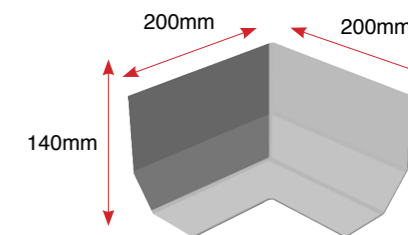
C1 External Corner

A pre-formed external corner suitable for use with the A200, A250 and B260 profiles to form a left or right hand corner



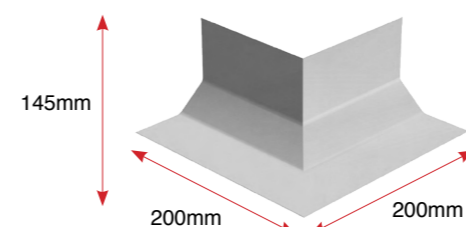
C3 Internal Corner

Easy to use preformed corner for use with D260 & D300 Angle fillet trim.



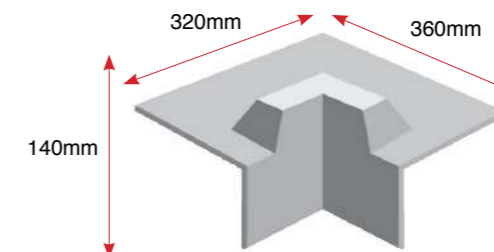
C3 Universal External Corner

Easy to use preformed corner for use with D260 & D300 Angle fillet trim.



C4 Universal Internal Corner

Universal internal corner. Used to form a left or right hand corner



GRP TOOLS & ANCILLARIES

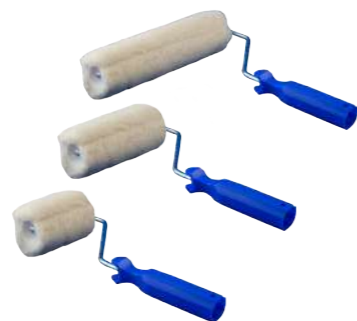
Mixing Buckets



10L White Bucket
12L Black Graduated Bucket

10 litre bucket used for mixing and cleaning, not affected by acetone, dried resin/topcoat is easily removed and bucket can be re-used.

Fluffy Rollers & Refills



3" Complete Roller
6" Complete Roller
9" Complete Roller
3" Roller Refill
6" Roller Refill
9" Roller Refill

Solvent resistant roller with frames used to apply resin and topcoat, designed to work with GRP chemicals.

Laminating Brushes 2", 4"



2" Laminating Brush
4" Laminating Brush

Laminating brush used for applying GRP resin and top coat. (Can be cleaned in acetone).

Consolidating Paddle Roller



70mm
140mm
225mm

High quality paddle roller designed for consolidating the resin into the mat and removing air bubbles.

Catalyst Dispensing Bottles



15mm
80mm

Easy to use measuring bottle for gauging the correct amount of catalyst.

Latex Protective Gloves



Medium
Large
Extra Large

Disposable latex gloves, used for protection from resins, gel coats and catalysts.

BULLET ROOF LIQUID COATINGS



1 COAT **1** APPLICATION **1** SOLUTION

Bullet Roof Mono employs advanced polyurethane technology which allows you as the contractor to use just one system for almost every flat roofing application including new build and the refurbishment of sound existing membranes without the need to strip.

Bullet Roof Mono can be used to refurbish lead gutters and flashings, cast iron gutters, finlock and concrete gutters.

The Bullet Roof system can be used to create attractive hard-wearing balconies as well as walkways and general demarcation of areas such as escape routes and muster points. Many applications can be achieved in just one coat.

Here is a guide to some of the more common applications of the Bullet Roof Mono. If you require guidance or specialist advice, just get in touch with us and we will be happy to advise.

Bullet Roof liquid resins can be applied with any solvent resistant roller or brush. The products are easily applied by trowel, float or squeegee. Outside temperatures affect the viscosity of Pu resin. In colder temperatures the resin will be stiffer and in warmer temperatures viscosity may decrease leading to greater fluidity. Many applications do not require additional reinforcements / matting.

Bullet Roof Mono



Bullet Roof Mono 8kg
Bullet Roof Mono 25kg

Bullet Roof Mono comes from years of development in professional grade liquid membranes. This new Technology now allows for the quickest and simplest installation we believe is currently available, saving you time, and money.

Bullet Roof Quick Prime (Used with Bullet Roof Mono)



Bullet Roof Quick Prime 3kg

Developed to meet the demand for a quicker yet still penetrating single pack primer. Whilst most other single pack Pu primers available to professional roofers are tack free in times from 2hrs our Bullet Roof @ Quick Prime is ready to be over-coated in times from just 10 minutes! This creates a huge time saving when the area to be primed is small and you as the contractor would usually have to wait before installing the membrane. Not anymore! Compatible with most substrates including Concrete, wood and bituminous membranes. Refer to technical data sheet for details.

Bullet Roof Epoxy Primer AC



Epoxy Primer AC Part A 10kg
Epoxy Primer AC Part B 2.5kg

With excellent anti-corrosion properties this primer is the perfect choice for steel and iron gutters or any other steel/iron surface. This high penetration primer is a 2 component epoxy based primer with a long over-coating window of up to 15 days meaning large areas can be treated without having to re-prime. Touch dry in 8hrs and can be over-coated in 24hrs*. Other surfaces that can be primed using Bullet Roof @ Epoxy Primer AC include glass, ceramics, tiles, clay tiles, concrete, fibre glass, plastic, PVC and concrete. Refer to technical data sheet for details.



ULTIMATE ROOFING PROTECTION

Bullet Roof Rapid is a new formulation of the Bullet Roof® Liquid polyurethane system. Due to the demand for a faster curing membrane with more thixotropic qualities we have developed Bullet Roof® "Rapid" which will cure fully in times from 90 minutes. Minimal bubble formation even when applied at high consumption rates means thick coats can be achieved in one application.

This system is well suited to balcony applications where the deck needs to be covered over by paving/decking or the addition of a decorative finish held in a carrier layer such as Bullet Roof® "UVTC" a clear aliphatic top coat providing outstanding protection from ultra violet radiation and excellent resistance to foot traffic.

Bullet Roof Rapid can be applied in the morning to a dormer or garage roof and walked on in the afternoon, even in cooler temperatures. Bullet Roof Rapid must be used in conjunction with Bullet Roof® "Trigger" accelerator in order to be applied in one thick coat and achieve quicker cure times.

Bullet Roof Rapid & Trigger



Bullet Roof Rapid 6kg
Bullet Roof Rapid 25kg

Bullet Roof Detailer



Bullet Roof Detailer 5kg
Bullet Roof Detailer 15kg

Bullet Roof Fast Prime



Bullet Roof Fast Prime 4kg

A 2 part rapid curing Pu membrane designed to be used in circumstances where time is limited. Being trafficable in times from only 90 minutes* means that the area can be walked on, or overlaid with a balcony covering i.e. flags or decking in the same day. With superior strength and hardness to many conventional Pu roof systems, this membrane does not disappoint in terms of durability and longevity of service. 25yrs is our standard life expectancy for Bullet Roof® Pu Roof systems when fitted professionally by a Bullet Roof® approved installer.

Bullet Roof Detailer contains fibres for reinforcement and is more thixotropic to provide great coverage on roof details and vertical and sloping applications without slumping or running. Perfect for gutters, valleys, asbestos encapsulation, cut edge corrosion etc.

Developed to meet the demand for a quicker yet still penetrating single pack primer. Whilst most other single pack Pu primers available to professional roofers are tack free in times from 2hrs our Bullet Roof® Quick Prime is ready to be overcoated in times from just 10 minutes! This creates a huge time saving when the area to be primed is small and you as the contractor would usually have to wait before installing the membrane. Not anymore! Compatible with most substrates including Concrete, wood and bituminous membranes. Refer to technical data sheet for details.

Bullet Roof RainStop



Bullet Roof Rainstop 5kg

A go to classic repair liquid which has proven itself worthy of becoming a must have for any professional in the business of carrying out emergency repairs or requiring an economical roof covering that can be applied in one coat, even in our UK weather. With the ability to bridge cracks, bond to almost anything without a primer, be used in damp, even rainy conditions, it makes sense to always have a tin of Bullet Roof® RainStop in your van. Being available in a classic dark grey, even a quick or temporary repair can be made to look good with a little care and some masking tape to create clean edges.

Mega Mastic



Megamastic Adhesive Sealant

Mega Mastic is high performance sealant and adhesive specifically formulated with the roofing contractor in mind. Being able to bond almost any surface makes it must have for almost any repair. With Mega Mastic you can bond, seal or fill ; lead, slate, tile, masonry, PVC-U, fibre glass, plastisol coated steel, polycarbonate sheet, polyester, aluminium, steel, zinc, copper, stainless steel, felt, asphalt, concrete and timber.

Bullet Roof Reinforcement



roll 100mm x 10m

Bullet Roof Self Adhesive Reinforcement Tape. Compatible with Mono and Rapid Range system. Use to reinforce:

- Gaps
- Laps
- Seams
- Joints

Polyester Reinforcement



50m² roll

Polyester reinforcement roll for use with Bullet Roof Mono.

Chopped Strand Matting 300gsm

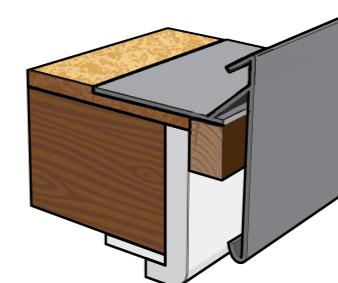


300gsm 33kg roll

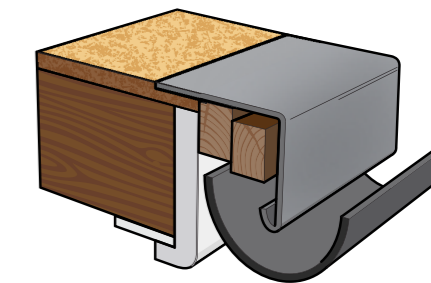
Bullet Roof Glass Fibre Reinforcement



Check Trim With Single Batten



Drip Trim Fixed With Double Batten



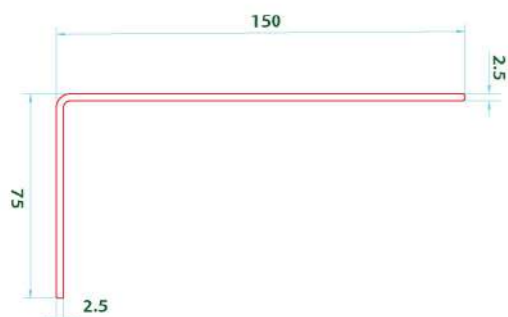
BULLET ROOF EDGE TRIMS

The strongest Trims you'll ever use! A perfect finish every time with pre-made corners that allow effortless change between a raised edge and drip detail. Made using "E" type glass reinforcement encapsulated in thermo set polyester resin to give outstanding life expectancy and performance.

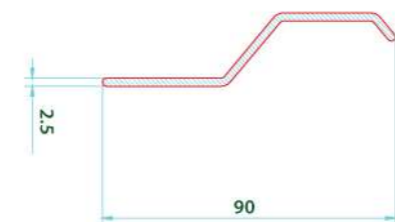
Do not mistake these trims for the ones you've used before! They are engineered for performance and at 2.5mm thick they are worlds apart from the competition.

These pre-pigmented trims already match the colour of the Bullet Roof system. They do not require additional coating as they have a pre finished surface, saving you time and money as well giving you drip and run free finished edge

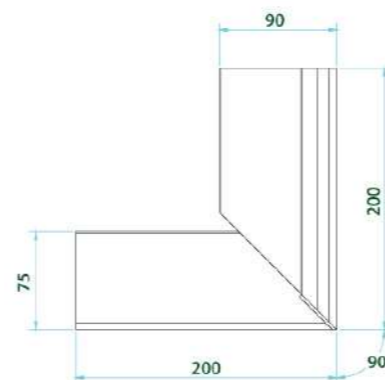
**Abutment Trim
150mm x 75mm**



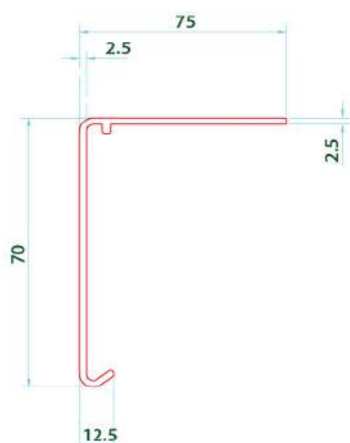
Termination Bar 80mm



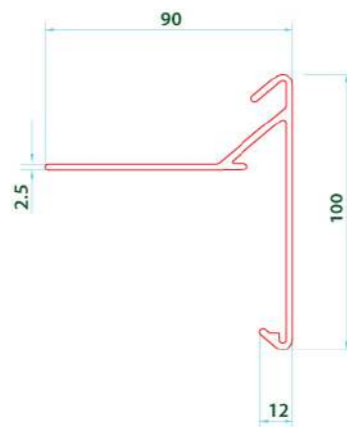
**70mm Drip Trim / 100mm
Check Trim Combo Corner**



**Drip Trim 70/100mm Face
x 75mm Fixing Arm**



**Check Trim 100mm Face
x 60mm Fixing Arm**



GROUNDWORK



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RHINOPLAST GAS BARRIER SYSTEMS

Rhinoplast Ultra



Standard roll size	4 x 20m
Colour	Grey
Thickness	300mu (1200gge)

A monolithic LDPE barrier designed primarily for use with Radon gas. Fully Radon gas tested and approved by NSAI (IAB) Meets the requirements of BRE211.

Also available in red 4 x 25m.

Rhinoplast Super



Standard roll size	4 x 20m
Colour	Yellow
Thickness	375mu (1500gge)

A monolithic hybrid co-polymer barrier giving excellent performance. Fully tested for Radon, Methane and CO2. Approved by NSAI (IAB) Exceeds the requirements of BRE211. Complies with NHBC Amber 1 installations. CS2 dependant on construction type.

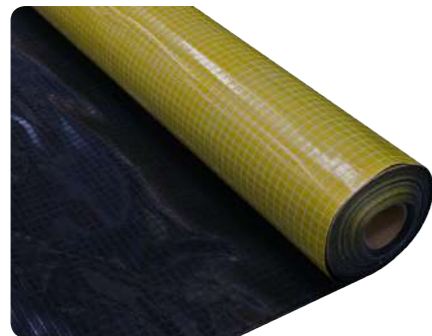
Rhinoplast Amber 2000



Standard roll size	4 x 12.5
Colour	Light Grey
Thickness	500mu (2000gge)

A monolithic LDPE barrier. Excellent strength and puncture resistance. Exceeds the requirements of BRE211. Complies with NHBC Amber 1 installations. CS2 dependant on construction type.

Rhinoplast TGB (Total Gas Barrier)



Standard roll size	2 x 50m
Colour	Gold & Black
Thickness	400mu

Excellent gas resistant properties due to the integral aluminium foil. Laminated construction includes reinforcing mesh to improve tear propagation. Designed as a high performance barrier for all applications except hydrocarbon liquids. Complies fully with BS8485: 2015 Amber 2 table 7. Single wound (no folds). CS2/CS3 & Amber 2.

Rhinoplast Hydrocarbon Barrier



Standard roll size	2.5 x 50m
Colour	Black
Thickness	1mm

An HDPE membrane designed to withstand the effects of fluid hydrocarbons. Tremendously strong and puncture resistant.

Radon Sump Unit



The Radon care and cavity gas vent system is manufactured by a rotational moulding process from heavy duty polythene. The sump is constructed with a solid roof and base is provided with 40mm diameter holes in the walls.

	BRE211	NHBC	NHBC	CO2	Hydrocarbons
	Radon	Amber 1 CS2 *	Amber 2 CS2 & CS3		
Rhinoplast Ultra	✓	✗	✗	✗	✗
Rhinoplast Super	✓	✓*	✗	✓	✗
Rhinoplast Amber 2000	✓	✓*	✗	✓	✗
Rhinoplast Total Gas Barrier <i>complies with the requirements of BS 8485: 2015</i>	✓	✓	✓	✓	✓*
Rhinoplast Hydrocarbon Barrier	✓	✓	✗	✓	✓

* Vapours only

* CS2 suitability depends upon construction type. Please check for details.

Note, all membranes must be installed in accordance with BRE211 (radon) or BRE 414 (Ground Gas) NHBC traffic light risk assessment designated Red would not normally be suitable for low rise housing development, without further remedial action and assessments.

GAS BARRIER SYSTEM COMPONENTS

Rhinoplast LT Jointstrip



Black - 50mm x 15m	1.5mm thick
Black - 100mm x 15m	1.5mm thick

A butyl modified double sided tape, 1.5mm thick. Designed to form a gas tight gasket. Excellent adhesion and tolerance to damp and cold conditions.

Rhinoplast reinforced Detail Strip



Black - 75mm x 15m	
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A butyl modified single sided bitumen tape, laminated with geotextile. Designed to reinforce details such as difficult folds and pre-formed cloaks. Acts as a secondary gas seal. Excellent adhesion and dimensionally stable.

Rhinoplast High Tack Girth Tape



Black - 72mm x 50m	
--------------------	--

A single sided reinforced girth tape used to secure and protect, linear joints. Excellent adhesion, dimensionally stable and water resistant.

Gas Resistant Detail Strip



150mm x 20m	
100mm x 20m	
300mm x 20m	

A tape constructed from an Aluminium / Polythene laminate coated on one surface and a bitumen- polymer adhesive compound. Uses included gas proofing of landfill sites, radon affected areas and redeveloped contaminated sites, water proofing foundation, basement roofs and plaza decks, lifts shafts, pits, carpark decks and subways.

Preformed Cloaks, Details & Tophats



A range of cloaks manufactured from gas resistant DPC and designed to ease the installation of the system. Standard cloaks available from stock.

Bespoke service available from our in house design team.

Used around service pipe penetrations to create a gas tight seal. Supplied with Stainless Steel Jubilee Clip.

Gas Retardant DPC



Size	Size
100mm x 20m	337.5mm x 20m
112mm x 20m	450mm x 20m
150mm x 20m	600mm x 20m
225mm x 20m	900mm x 30m
300mm x 20m	1200mm x 30m

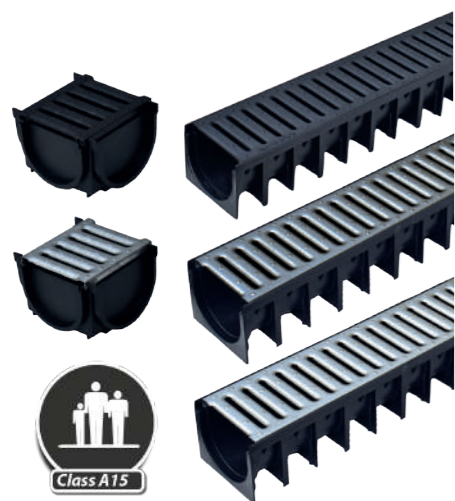
Our Gas Retardant DPC is a bitumen free polymeric sheet. This DPC is designed to remain effective for the lifetime of the structure.

- Extremely tough
- Flexibility at low temperatures
- Good mortar adhesion
- No extrusion under load
- Radon, CO2 and methane Gas Retardant DPC

DOMESTIC DRAINAGE CHANNEL

4ALL Domestic Channel. A15 & B125 rating.

Domestic Channel drainage. Grating is textured to simulate ductile iron. Class A15 for pedestrian and cycle ways and domestic drives up to 15KN.



B125 4ALL Grating.



Also available in garage packs containing 3 lengths of channel with polypropylene grating, 1 bottom outlet and 2 end caps.

4ALL Garage Packs - Polypropylene & Galv



4ALL A15 Channel - Polypropylene, Galv & Stainless

Channel Width	120mm
Channel Length	1000mm
Overall Height	90mm

Polycon Domestic Channel



Channel Width	120mm
Channel Length	1m
Grating Width	119mm
Grating Height	78mm

Click the grating in and out, no screws required. Designed in accordance with EN 1433. Easy to assemble. The smooth waterproof surface allows a quick water-flow drainage. High chemical resistance, lightweight, easy to carry and install. Manufactured from polymer concrete.

Deepflow Channel



- Click the grating in and out, no screws required
- Easy to assemble
- Quick water-flow drainage
- External ribs provide improved anchoring between concrete and HDPE and provides better strength and rigidity
- High mechanical and chemical resistance
- Lightweight
- Easy to carry

COMMERCIAL DRAINAGE CHANNEL

B125 Ductile Iron 100/80



Channel Width	158 mm
Channel Length	1000 mm
Grating Width	148 mm
Grating Height	25 mm
Weight (kg)	5.75
Overall Height	120mm



Heavy duty channel up to 125KN for use in car parks, service stations (cars only), pedestrian areas and driveways.

C250 Ductile iron 100/80 Heelsafe



Channel Width	158 mm
Channel Length	1000 mm
Grating Width	148 mm
Grating Height	25 mm
Weight (kg)	3.60 mm
Overall Height	120mm



Heavy duty channel up to 250KN for use in car parks, service stations (cars only).

D400 Ductile iron 100/100



Channel Width	158 mm
Channel Length	1000 mm
Grating Width	148 mm
Grating Height	25 mm
Weight (kg)	4.75
Overall Height	161mm



Heavy duty channel with steel edge up to 400KN. Suitability includes roads and car parks.

F900 Ductile Iron 160/100



Channel Width	158 mm
Channel Length	1000 mm
Grating Width	148 mm
Grating Height	25 mm
Weight (kg)	6.30
Overall Height	221mm





Extra heavy duty applications such as fork lifts, trucks, heavy goods vehicles and Airports




Slot Drain



- Ideal for domestic threshold and lightweight vehicle areas only
- Can handle a flow rate of 4.5l/s
- 100% recycled polypropylene, so light & easy to install
- Base tested to BS EN 1433
- Positive mechanical joint between each channel length
- Can be installed with block paving or concrete surround



Load Class:	A15	B125
Application:	Pedestrian 	Domestic Driveway 

C250	D400	F900
Car Parks 	Main Highway 	Industrial Areas & Airports 

MANHOLE COVERS

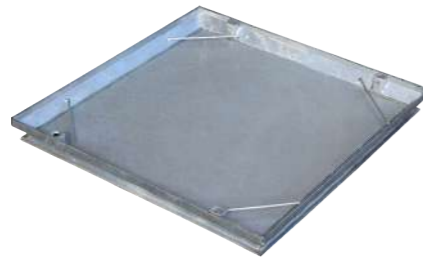
Plastic Frame Tray Type Double Seal



Sizes	600mm x 450mm
Weight Capacity	5 tonne G.V.W

Weight Tolerance: Internal Use only
Suitable for screeding, concrete and tiling.
40mm deep

All metal double seal tray type



Sizes	300mm x 300mm 450mm x 450mm 600 x 450mm 600mm x 600mm
Weight Capacity	5 tonne G.V.W

Suitable for screeding, concrete and tiling.
40mm deep

Polypropylene Lockable



	Sizes	Weight Capacity
Round to Square	320mm dia 450mm dia	3.5 Kn
Round	300mm dia 450mm dia	3.5 Kn

Lightweight domestic inspection covers for driveway applications.
Lockable with self-tapping screws.

MANHOLE COVERS

B125 Composite Manhole Cover Round & Square to Round



	Sizes	Weight Capacity
Square to Round	320mm dia 450mm dia	12 ^{1/2} tonne G.V.W
Round	450mm dia	12 ^{1/2} tonne G.V.W

Composite Covers feature all new resin technology which gives them huge advantages over ductile iron.

- Reduced weight
- Increased lifespan
- Lower vibration transmissions
- Higher fatigue endurance limit

Plastic Frame Block Pavior



Sizes	600mm x 450mm
Weight Capacity	10 tonne G.V.W

Suitable for block paving and slabs
Internal use and areas of slow moving traffic up to ten tonne gross vehicle weight.
80mm deep

All Metal Block Pavior



Sizes	300mm x 300mm 450mm x 450mm 600mm x 450mm 600mm x 600mm
Weight Capacity	5 tonne G.V.W

Suitable for block paving and slabs.
Internal use and areas of slow moving traffic up to 10 tonne gross vehicle weight.
80mm deep. Built in lifting keys

Grey Iron Range

Cast Iron Stop Tap Boxes



Sizes	125mm x 150mm
-------	---------------

Heavy Duty stop tap box 6" by 5" 4kg

A15 Cast 600mm x 450mm MHC&F



Cast Iron pedestrian manhole cover and , frame single seal

C250 GA2 325 Gully Ductile Kite Marked



Ductile Iron Hinged gully grid - 365mm x 310mm x 75mm

B125 Ductile MHC&F

Chamber cover ductile iron, single seal



320mm dia
450mm dia
600mm dia



600mm x 450mm
600mm x 600mm

EN124 D400 Ductile Kite marked

Double Triangular heavy duty manhole cover and frame

Sizes	600mm x 600mm 675mm x 675mm
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Plastic Frame Round to square Block Pavior



Sizes	450mm dia
Weight Capacity	5 tonne

Square To Round Block Pavior Manhole Cover & Frame has a polypropylene plastic and galvanised steel recessed tray with built-in lifting keys allowing for easy access. The galvanised tray can be rotated to fit within the frame and it's designed to fit a 450 PPIC chamber.

All Metal Round to square Block Pavior



Sizes	300mm, 450mm
Weight Capacity	10 tonne G.V.W

Suitable for block paving and slabs
Internal use and areas of slow moving traffic. For use where block paving is installed over circular chambers.

80mm deep

Standard flat top pressed steel



Sizes	300 x 300 450 x 450 600 x 450 600 x 600
Weight Capacity	2.5 tonne 5 tonne 10 tonne

Suitable for domestic driveways and other areas with infrequent traffic dependent on weight tolerance.

* Available in D/Seal 4 screw

POLYTHENE BUILDING FILMS

Waterproofing Slurry



Waterproofing Slurry is used for the systematic creation of a permanent water tightness, durable for the life of concrete structures and cementitious substrates. It can be used on water tanks and towers, reservoirs, water treatment works, canals, dams, harbours, swimming pools and concrete pipes.

- For internal and external use
- Equally effective against negative and positive water or osmotic pressure
- Add water and apply to prepared walls/floors, particularly surfaces in contact with water
- Dry shake on horizontal construction joints replacing PVC water-stop

Self Adhesive Tanking Membrane



Self Adhesive 20m x 1m	20m ² roll
Self Adhesive 20m x 1m	20m ² roll
Rhinobond G.M.A Super Gas retardant	20m ² roll

A high performance, self adhesive, flexible, waterproof membrane, manufactured from tough, cross-laminated HDPE film laminated to a 1.5mm thick layer of modified rubber/bitumen adhesive. The advanced carrier film gives improved tear strength, puncture resistance and impact resistance. After application, the membrane should be covered as soon as possible with cementitious screed or protection board. Also available with integral aluminium foil for gas barriers. Rolls may include a selvage to enhance overlap bond.

Guardian Torch on Tanking Membrane



8m x 1m	roll
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TECHNO GUARDIAN is a highly puncture resistant bitumen polymer torch applied tanking membrane combining the best characteristics of a waterproofing layer, bonding for insulation, drainage and built in protection properties. This unique combination of characteristics is made possible because of the dimples on the upperside of the membrane. These dimples aid drainage, and provide adhesion points for insulation or protection board where required.

Protection Boards



2.0m x 1.0m x 3mm nominal

The board is used as a protection course for membrane waterproofing materials and can withstand both backfilling and normal on site foot traffic. It is specifically designed to protect the membrane from construction abuse and harmful punctures by rock and aggregate during backfilling and at the time of later settlement.

BBA Polythene Damp Proof Membrane



4m x 25m Black BBA	250mu	23kg
4m x 25m Black BBA	300mu	27.6kg
4m x 12.5m Black BBA	500mu	23kg

Polythene BBA accredited damp proof membrane is available in 250mu, 300mu and 500mu nominal thickness only and in blue or black. Single rolls are available from stock and pallet quantities of forty (pallet quantity of thirty-five in Northern Ireland). The polythene is used to protect buildings from the passage of water and water vapour from the ground when installed to the appropriate standards

- BBA approved product
- CE marked
- Individually bagged
- Fully labelled with installation instructions
- Other sizes available on request

DPM Handpacks



4m x 3m, 4m x 4m, 4m x 5m, 4m x 6m	250mu
4m x 3m, 4m x 4m, 4m x 5m, 4m x 6m	300mu

Pipe Protection Tape



Supplied in cartons of 36	50mm x 10m	roll
Supplied in cartons of 24	75mm x 10m	roll
Supplied in cartons of 18	100mm x 10m	roll
Supplied in cartons of 12	150mm x 10m	roll

Petroleum based anti corrosion tape for underground pipes and fittings.

Available in four standard widths, split cartons on request.

POLYTHENE BUILDING FILMS

Temporary Protection Sheet



Medium Duty T.P.S 4m x 50m	roll
Clear T.P.S 4m x 25m	roll

Mono Layer polyethylene film. Films can be supplied in any thickness ranging from 30 to 250 microns. Films are generally supplied natural however can be supplied in any colour to meet specific customer requirements including carbon black where prolonged outdoor exposure is needed.

Films can be supplied in a range of widths and lengths to meet specific customer requirements for a wide variety of general purpose building applications.

Superclear Polythene



4m x 25m	200mu
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Super Clear is an extra strong low slip monolithic LDPE membrane with excellent clarity. The product is used wherever heavy duty protection of other materials is required. It can be used as heat activated shrink film to protect goods in transit. Its clarity means it can be used as temporary glazing and the product will also perform as a vapour barrier in construction applications.

Polythene Jointing Tape



Double sided	50mm x 15m, 100mm x 10m
Single Sided High Tack	72mm x 50m

Double sided joint strip is a moisture tolerant tape which can be used even at low temperatures.

Single sided is used for laps and has a very strong adhesive.

Flame Retardant Polythene



Orange - 4m x 25	250mu
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Flame retardant polythene is orange in appearance, designed to use in a variety of different applications and is easy to tailor fit, as it only needs to be folded out and cut into shape.

LPCB APP Approved. Other Thicknesses and colours available to special order.

Vapour Barrier Building Film



Clear - 4m x 25m	125mu
Black - 4m x 25m	125mu
Green Tint - 4m x 50m - 2m x 50m s/w	125mu 300mu

Available in Black, Clear & Green Tint.

- Vapour resistant layer in the construction of walls and ceilings
- Slip layer
- Protection of the thermal and acoustic insulation from moisture
- Temporary protection of roof surfaces
- As temporary glazing during construction
- CE Marked to EN13984

Single Wound Screeding Membrane



1.5m x 100m	125mu
2m x 100m	125mu
2m x 50m	250mu
2m x 50m	300mu

Single wound screeding membrane is a low density polythene membrane for use under floor screeds which are not subject to hydrostatic pressure, to protect buildings against moisture from the ground. The membranes is manufactured in standard 125mu, 250mu, and 300mu thickness and in roll sizes of 1.5m x 100m. (125mu) 2m x 100m (125mu), 2m x 50m (250mu) and 2m x 50 (300mu), although other sizes are available to special order.



CM3 Slimline Mesh Membrane

CM8 Dry Lining Membrane

CM8 Mesh Membrane



Roll size	1m x 20m
Sheet thickness	0.7
Stud height	3mm

Roll size	2.0m x 20m x 8mm
Sheet thickness	0.7mm
Stud height	8mm

Roll size	2.0m x 20m x 8mm
Sheet thickness	0.8
Stud height	8mm

CM3 Mesh Membrane is a water resistant membrane with studs forming a regular pattern on one face of the roll, and polypropylene mesh on the other side. It is tough but pliable and can be easily cut with a sharp blade to the correct size. Suitable for use above and below ground and can be rendered, plastered or dot and dab boarded on top.

Ideal for use above ground to help cure dampness in walls at floor level.

CM8 membrane is suitable for type 'C' (drained protection) structural concrete constructions in accordance with BS 8102. When used for waterproofing basement floors and wall it is recommended that perimeter drainage channels are provided to optimise the flow of ground water towards the sump location. CM8 waterproofing membrane is used in a dry lining application. Various systems can be used in the head of the fixing plug, from timber battens to steel dry lining systems.

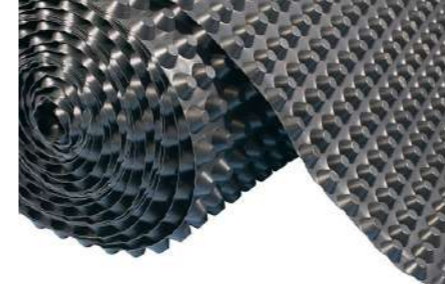
CM8 Mesh Membrane is a versatile membrane which incorporates a tough HDPE mesh lathing welded to the front face to allow the direct application of various plaster finishes or adhesive 'dabs' and plasterboard. Large 8mm studs provide excellent drainage and ventilation capacity, making CM8 Mesh the choice of professionals for basement and cellar conversions.



CM20 Floor Drainage Membrane

Brick Plugs with Seals & Plaster Plugs

Overlap sealing tape, rope & Corner Strip



Roll size	2.0m x 20m x 20mm
Sheet thickness	nominal 1.00mm
Stud height	approx 20mm
Drainage capacity	Max 13 litre/m ²

Plugs	Per 100
Plugs with seals	Per 100

2mm x 30mm x 20m	Blue butyl tape
5m x 10mm	Blue butyl rope

This waterproofing membrane is the highest drainage capacity membrane in the CM range, giving a void number of 14 litres/m². Suitable for use on floors and walls in very wet situations, or where a large stud height is needed to maximise insulation values. When used on floors CM20 Waterproofing Membrane can be installed without the need for perimeter drainage channels and, when overlaid with concrete, the large diameter studs will give high point load resistance capabilities (180 kN/m²) to support load-bearing walls built off the slab.

CM Brick Plugs are used to apply cavity drain membranes to the walls of both above and below ground applications. CM brick Plugs are of a high quality and can be used in a range of applications and on multiple substrate types. The tailor made Thermoplastic Elastomer seal ensures application of the membrane is water tight.

Sealing rope is a high quality product for use as part of a cavity drain membrane system. Made from a 10 mm bead of butyl rope, this product is used to either wrap around the head of plugs in a membrane application, or to form a jointing waterproof seal on wall and floor membrane systems.

Corner Tape is a 150 mm wide tape with many uses, but most commonly used to seal membranes from walls to floors and fixing perimeter drainage channels in place. It can also be used to overtape external joints and on floor oversealing.

WEED CONTROL & GEOTEXTILES



Weedcheck	33, 34
Weedcheck Ultra	33, 34
Basecheck	33, 34
Groundcheck	33, 34
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WEED CONTROL & GEOTEXTILES

Weedcheck



- An economical membrane which will prevent most rhizome growth from penetrating from below - for complete weed control please use Weedcheck Ultra
- No need for chemicals when installing
- Water and feed passes through to the soil below
- Low maintenance gardening
- Decorative aggregates will not be lost into soil

Sizes Available	
1.0m x 14m	2.0m x 10m
1.0m x 20m	2.0m x 20m
1.5m x 10m	2.0m x 25m
1.5m x 100m	2.0m x 50m

Weedcheck Ultra



- A high performance weed control membrane which will stop rhizome growth from underneath.
- No need for chemicals when installing
- Water and feed passes through to the soil below.
- Low maintenance gardening.
- Decorative aggregates will not be lost into soil

Sizes Available		
1.0m x 14m,	1.5m x 10m	2.0m x 100m
1.0m x 25m	1.5m x 100m	2.4m x 100m
1.0m x 50m	2.0m x 25m	3.0m x 100m
1.0m x 100m	2.0m x 50m	

Groundcheck Extra



- Decorative aggregates will not be lost into sub base or substrate
- Prevents rutting and subsidence in a block paviour drive
- Under decking will save the cost of mulching
- The strongest type of geotextile on a weight for weight basis.

Sizes Available		
1m x 12m	1.5m x 50m	3m x 100m
1m x 25m,	2m x 10m	4.5m x 11m
1m x 50m,	2m x 25m,	4.5m x 100m
1m x 100m	2m x 50m	
1.5m x 15m	2m x 100m	

Basecheck



- Aggregate areas / scree areas
- Garden Paths
- Horse Manège and root protection
- Under decking
- Flower and shrub beds
- Under cellular confinement systems

Sizes Available	
1m x 15m	2m x 50m
2m x 25m	4.0m x 12.5

Stratacheck



- Decorative aggregates will not be lost into soil.
- Catalyst to build up a natural land drain
- Easy material to work with
- The only type of geotextile recommended for all drainage applications

Sizes Available	
1.0m x 10m	4.0m x 11.25m
2.0m x 25m,	4.5m x 10m
2.0m x 50m,	4.5m x 100m

Stratacheck Plus



- Decorative aggregates will not be lost into soil.
- Catalyst to build up a natural land drain
- Easy material to work with
- The only type of geotextile recommended for all drainage applications

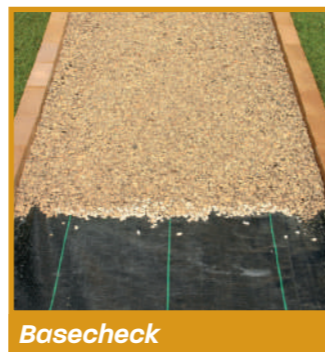
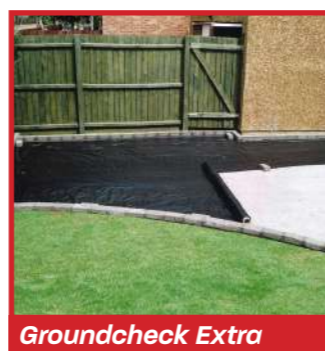
Sizes Available	
1.0m x 10m	4.0m x 11.25m
2.0m x 25m	4.5m x 10m
2.0m x 50m,	4.5m 100m

These recommendations are only intended as a guide. Allowances have to be made both for soil & site conditions. Please contact us should you require any further advice, assistance or clarification.

✓ Recommended
 ✓ Alternative

	WEEDCHECK	WEEDCHECK ULTRA	GROUNDCHECK EXTRA	BASECHECK	STRATACHECK	STRATACHECK PLUS
WEED CONTROL						
Aggregate Areas - Pedestrian		✓				
Flower & Shrub Beds	✓	✓				
Garden Paths Domestic		✓				
Rockeries		✓				
Scree Gardens - Commercial		✓				
Scree Gardens - Domestic	✓	✓				
Under Decking with a Mulch	✓	✓				
Vegetable Beds - Fruit Protection	✓	✓				
TURF & GRASS						
Under Turf - Butted no overlaps					✓	
Under Artificial Grass		✓			✓	
DRAINAGE						
Attenuation & Water Harvesting - Pedestrian					✓	
Attenuation & Water Harvesting - Vehicular						✓
Land Drains - Pedestrian					✓	
Land Drains - Vehicular						✓
Soakaway Crates - Pedestrian					✓	
Soakaway Crates - Vehicular						✓
SUD's Compliant Systems					✓	✓
Under Block Paviour Drives					✓	✓
Wrapping Drainage Pipe					✓	✓

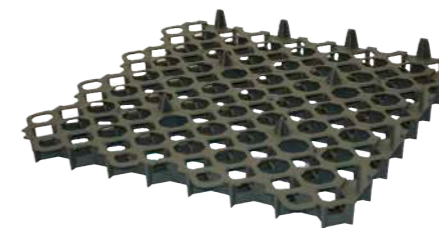
	WEEDCHECK	WEEDCHECK ULTRA	GROUNDCHECK EXTRA	BASECHECK	STRATACHECK	STRATACHECK PLUS
STABILISING /SEPARATION						
Aggregate Pathways - Pedestrian			✓	✓	✓	
Aggregate Driveways & Areas - Vehicular			✓			✓
Cellular Confinement - Pedestrian			✓	✓	✓	
Cellular Confinement - Vehicular			✓			✓
Garden Paths - Commercial			✓	✓	✓	✓
Garden Paths - Domestic			✓	✓	✓	✓
Ground Grid - Pedestrian			✓			✓
Ground Grid - Vehicular			✓		✓	✓
Horse Manège under Type 1			✓	✓	✓	
Horse Manège under Top Dressing				✓	✓	✓
Patios & Hard Standing Areas					✓	✓
Roads & Car Parking Areas			✓			✓
Tree Root Protection - Vehicular			✓	✓		✓
OTHER APPLICATIONS						
Children's Safety Play Areas / Sand Pits		✓			✓	✓
Temporary Protection to Lawns etc. whilst construction work is active					✓	✓
Lining Plant Containers and Separating Compost with Crocks	✓	✓			✓	✓
Resin Bound Aggregates					✓	✓
Rubber Crumb Resin Surfaces					✓	✓
Sports Pitches / Tennis Courts					✓	✓
Temporary Paths & Roads			✓		✓	✓
Fallow Areas / Tree Mats - Spats			✓			
Materials Storage					✓	✓



Groundgrid

Dimensions

Tile Size: 492mm x 492mm.
 40mm Deep.



Groundgrid is a new and revolutionary development in ground reinforcement. It is tough, flexible and easy to install making it the professional choice for a wide range of construction projects. Manufactured from 100% recycled material, Groundgrid is the environmental and sustainable solution of choice.

Benefits

- Quick and easy to install reducing on site costs
- Lightweight
- Proven connection system
- Surface reinforcement with natural drainage
- Minimal maintenance
- Non-slip and crack proof
- Weatherproof and environmentally friendly
- Frost and UV resistant
- Cut to size
- Dimensionally stable
- Prevents gravel migration
- Sustainable
- Non expanding
- Low transport and handling costs
- 100% recyclable
- Built in interlocking and fixing spikes

Intended Use

- Construction sites
- Green car parking areas
- Private lanes and access roads (Including emergency access)
- Pathways and drives
- Golf courses
- Landscapes
- Equestrian and livestock facilities
- Green roof and rooftop gardens
- River and road embankments
- Private airfields



Garden Edging Strips



Edging strip (Dark Green) 45 x 800mm
 Spikes (to suit above) 245mm (packs of 50)

Ground Pegs



30 peg pack Black
 100 peg pack Black

- Creates a crisp, clean and distinctive look
- Easy to install and re-install
- Prevents lawn grass from invading the garden
- Builds a properly designed and balanced landscape
- Keeps garden components contained
- Safe and flexible
- Lasting durability
- Designed to work with Principal Groundgrid
- Easy to shape any way
- Time and cost effective
- Adapts to straight or curved areas
- Fully recycled and 100% recyclable
- Works with turf and artificial grass

Ground cover peg for the use with geotextiles. Produced in the UK, the peg is quicker to install and holds for longer.

- Wide Ground-peg head
- Now with 10 barbs
- Sturdy, impact-resistant head and shank
- Sharp point
- 160mm - extra length

Stocked in black - colours available to order (30 peg pack)

Plastering & Rendering

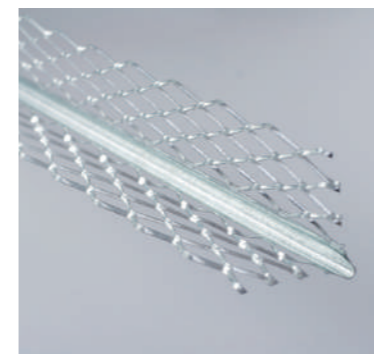


Galvanised Plasterbead	37, 38
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GALVANISED PLASTER BEAD

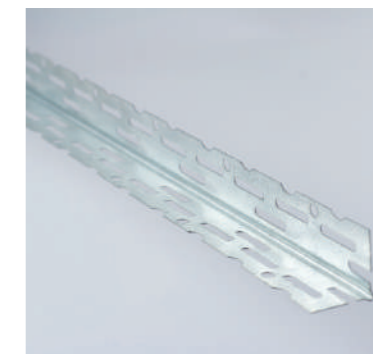
Standard Angle Bead



Description	Size
Standard Angle Bead	2.4m
Standard Angle Bead	2.7m
Standard Angle Bead	3.0m
Angle Bead, Wide Wing	2.4m
Angle Bead, Wide Wing	3.0m

Manufactured to BS6452, part 1, 1984 figure 1 from galvanised mild steel to BS2989 grade Z2, angle bead provides a straight arris that will not easily crack and reinforces the plasterwork where it is most needed. The expanded metal wings provide an excellent mechanical key for most types of plaster.

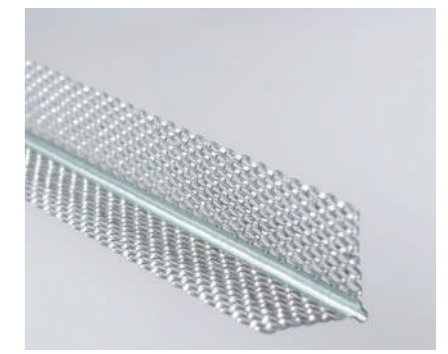
Perforated Thincoat Bead



Description	Size
Perforated Thincoat Bead	2.4m
Perforated Thincoat Bead	2.7m
Perforated Thincoat Bead	3.0m

Manufactured to BS6452, part 1, 1984 figure 5 from galvanised mild steel to BS2989 grade Z2. Thincoat bead is primarily used for plasterboard applications to give a 3mm thincoat finish.

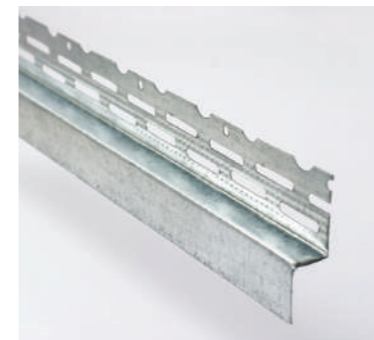
Minimesh Thincoat Bead



Description	Size
Minimesh Thincoat Bead	2.4m
Minimesh Thincoat Bead	2.7m
Minimesh Thincoat Bead	3.0m

Manufactured to BS6452, from galvanised mild steel to BS989 grade Z2, this bead is ideal to use wherever a finished plaster edge is required. Fixing is similar to angle bead with plaster dabs or a suitable galvanised nail.

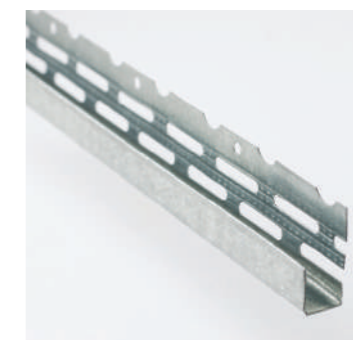
Drywall Engaging and Abutting



Description	Size
Drywall Engaging 9.5mm	3.0m
Drywall Engaging 12.5mm	3.0m
Drywall Abutting	3.0m

Manufactured from galvanised mild steel to BS 2989 grade Z2. These beads form a neat "shadow gap" in plaster work are for use in dry lining applications.

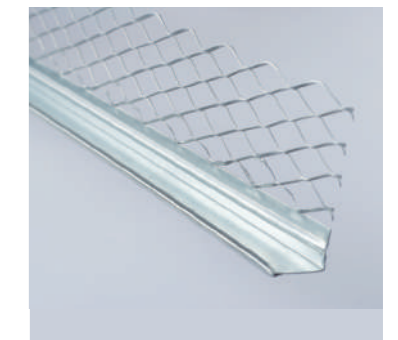
Plasterboard Edging & Stop Bead



Description	Size
Plasterboard Edging Bead 10mm, 13mm & 15mm	3.0m
Plaster Board stop 3mm	2.4m
Plaster Board stop 3mm	3.0m

Used to provide a 3mm plaster stop to plasterboard and to protect the edge of the board at this vulnerable point. Supplied in 10mm, 13mm and 15mm sizes all in 3 metre lengths.

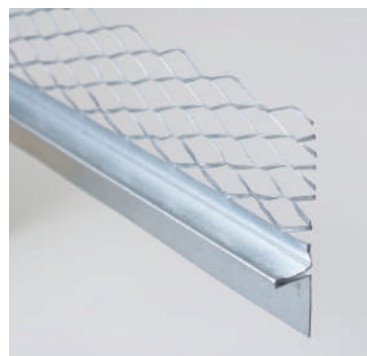
Plasterstop Bead



Description	Size
Plasterstop 10mm, 13mm, 16mm & 19mm	2.4m
Plasterstop 10mm, 13mm, 16mm & 19mm	3.0m

Manufactured to BS6452, part 1, 1984 figure 2 from galvanised mild steel to BS2989 grade Z2, this bead is ideal to use wherever a finished plaster edge is required.

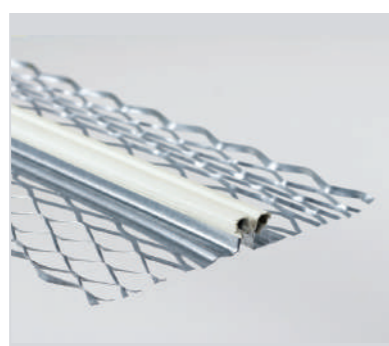
Architrave Bead



Description	Size
Architrave Bead 13mm	3.0m

Manufactured from galvanised mild steel to BS2989 GRADE Z2, Architrave bead is designed to form a plasterstop and shadow gap. With return flange, it is ideal for abutting steel and timber door frames, and without a return flange, it is ideal for fitting into the rebate of door frames. The recess can be painted the same as the wall or even a contrasting colour.

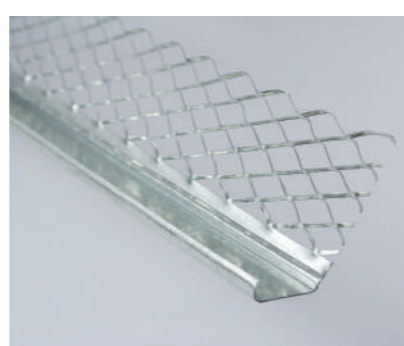
Movement Bead



Description	Size
Movement Bead 10mm, 13mm, 16mm & 19mm	3.0m
Internal Corner Movement Bead 12mm	3.0m

Movement bead combines the features of the expanded wing or perforated wing stop bead with a purpose made PVC extrusion to provide a 6mm movement in the plaster or render. It is not intended to cope with structural movement.

External Renderstop

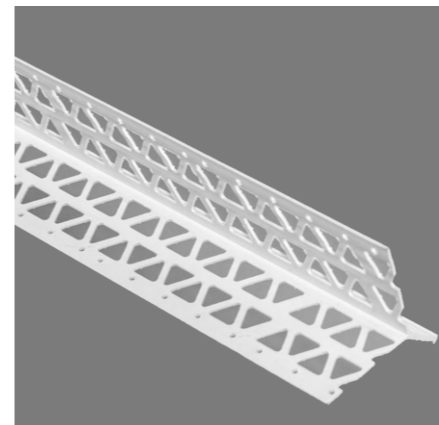


Description	Size
External Renderstop	2.4m
External Renderstop	3.0m

Manufactured from galvanised mild steel to BS2989 grade Z2, this bead is the perfect way to achieve a neatly formed "bell cast" where the rough casting stops at the junction of facing brickwork or plain bases.

PVCu RENDER BEAD

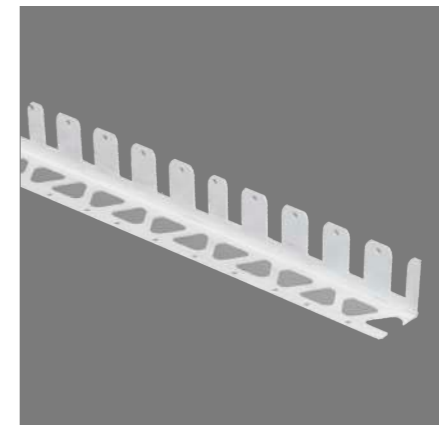
TRUPLAS Angle Bead



Description	Size	Render depth
AB06 Angle Bead	2.5m	6-10mm
AB10 Angle Bead	2.5m, 3m	10-15mm
AB15 Angle Bead	2.5m, 3m	15-20mm

A range of PVCu Beads to reinforce corners of render systems. Available in white, ivory and grey. Other colours to order.

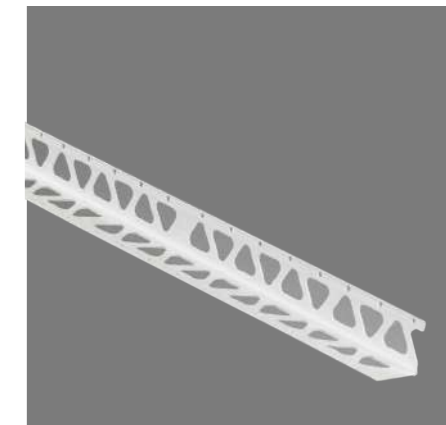
TRUPLAS Corner Arch Bead



Description	Size	Render depth
TCAA3 Thincoat Arch Bead	2.5m	2-3mm

A flexible bead which can be bent to form arches and curves. Suitable for thincoat plasters.

TRUPLAS Thincoat Angle Bead



Description	Size
TCAB3 Thincoat Angle Bead	2.5m
TCAB3M Thincoat Angle Bead with Bonded Mesh	2.5m

Used to provide a true sharp corner on plasterboard corner joints or for any smooth background and again protects the plaster at its weakest point.

STAINLESS STEEL BEAD

Stainless Angle Bead



Description	Size
Stainless Angle bead	3.0m

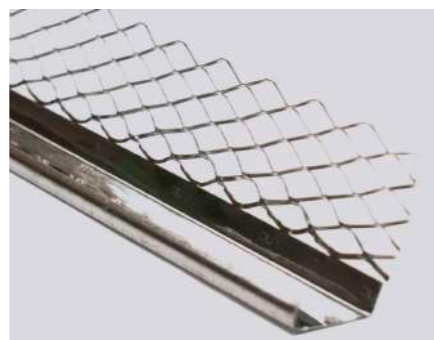
Stainless Plaster Stop Bead



Description	Size
Stainless Stop Bead 10mm, 13mm, 16mm & 19mm	3.0m

Stainless steel materials are manufactured from steel to EN 10088-2 grade 1.4301 (standard supersedes BS1449 Part 2: 1983 grade 304 S15).

Stainless External Renderstop



Description	Size
Stainless External Renderstop	3.0m

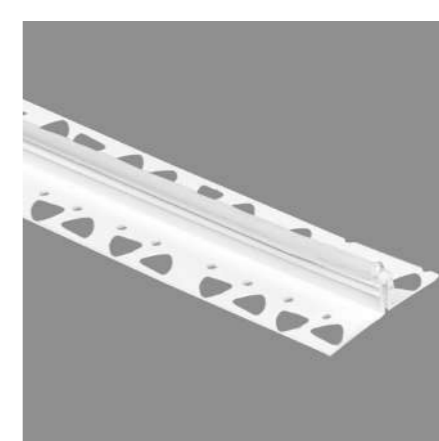
Drip Bead



Description	Size	Render depth
ERS10 Drip Bead	2.5m	10mm
ERS12 Drip Bead	2.5m	12mm
ERS15 Drip Bead	2.5m	15mm
ERS20 Drip Bead	2.5m	20mm

A range of drip beads used at the bottom of render to prevent water damage lower down.

Movement Bead



Description	Size
MV10 Movement Bead	2.5m
MV15 Movement Bead	2.5m

Used in large areas of render to minimise cracking due to expansion and contraction.

Stop Bead



Description	Size
RS03	2.5m
RS06	2.5m
RS10	2.5m
RS12/15	2.5m
RS15	2.5m
RS20	2.5m

PVC-U Plaster Stop Bead is used to provide a straight clean finish on the edge of plaster or render at door or window openings and to protect and reinforce this edge.

SECURITY LATH

MD1 Lath



Mesh Aperture	43.43 LW x 18.03mm SW
Strand Thickness	1.14mm, 1.85kg/m ²
Material finish	Mild steel, galvanised, painted
Production Process	1.2mm thick flattened mesh
Weight kg/m ²	1.85
Stock sheet sizes (mm)	2440 x 1220 1220 x 2440

Light Duty Security lath suitable for internal wall security, partitions, ceilings and roofs.

LPCB Approved can be supplied galvanised.

HD1 Lath



Mesh Aperture	42.93 LW x 14.22mm SW
Strand Thickness	2.69mm, 8.59kg/m ²
Material Finish	Mild steel, galvanised, painted
Production Process	3mm thick flattened mesh
Weight kg/m ²	8.59
Stock sheet sizes (mm)	2440 x 1220

Heavy Duty Security lath suitable for internal wall security, partitions, ceilings and roofs.

LPCB Approved can be supplied galvanised.

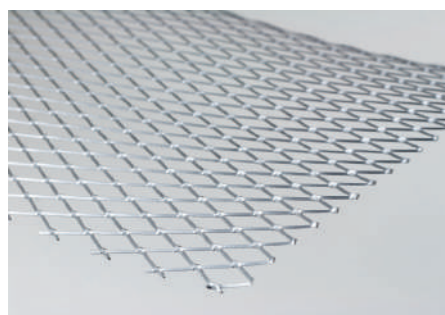
HDR Lath



Mesh Aperture	50.8 LW x 22.58mm SW
Strand Thickness	3.0mm, 6.52kg/m ²
Material Finish	Mild steel, galvanised, painted
Production Process	3mm thick standard profile mesh, raised edge for rendering
Weight kg/m ²	6.52
Stock sheet sizes (mm)	2440 x 1220

Application HDR - Heavy Duty raised Security lath suitable for internal for external brickwork and can act as a key for render or plaster finishes when galvanised.

Expanded Metal Lathing



Galvanised	2438mm x 685mm
Stainless Steel	2500 x 700mm

This material can be used to form a key for plaster and is ideal for suspended ceilings and partitions. The sheets are most suitable for encasing steel columns and beams in order to help their fire protection qualities.

The sheets are manufactured from 26 gauge galvanised mild steel to BS989; Grade Z2 G275 or austenitic stainless steel

Sheet size is: Galvanised 8' x 2'3" (2438 x 685mm) Stainless Steel: 2500 x 700mm.

Riblath



Galvanised	2500mm x 600mm
Stainless Steel	2500mm x 600mm

This product is manufactured from similar material expanded metal lathing but is stiffened by the longitudinal ribs. It is ideal for suspended ceilings and partitions and is extensively used in external rendering. Support centres can be widened using Riblath and sheets can be held together with tying wire.

PLASTERERS SCRIM AND REINFORCEMENT

Self Adhesive Scrim



50mm x 90m	roll
75mm x 90m	roll
100mm x 45m	roll
1000mm x 30m	roll

An economical strong rot proof self adhesive scrim manufactured from fibreglass. Available in white.

Hi-Tac Scrim



50mm x 90m	roll
100mm x 45m	roll

Extra tack adhesive fibreglass plasterboard jointing tape

Alkaline Resistant Render mesh



Pink	1m x 50m
White	1m x 50m

A reinforcing mesh which is made from woven fibreglass yarns and coated with an alkaline resistant latex. This coating prevents the alkaline present in cements from degrading the glass fibre, resulting in reduced strength.

PLASTERING ANCILLARIES

Mixing Spots



Designed for floor mixing of mortar to protect driveways etc. Upstand prevents spillage, ideal for DIY or small mixes.

Plasterers Buckets



Dimensions (approx)	275mm dia, 525mm deep.
---------------------	---------------------------

This extra large plaster mixing bucket will not rust, rot, crack or distort under adverse conditions. Dry plaster is easily removed by tapping. 30 litre capacity.

Plasterers Skips



1280mm long, 640mm wide, and 326mm deep.

This polyethylene skip is the latest innovation for on site working. It is manufactured from rotationally moulded MDPE and will not rust, rot, crack or distort under adverse conditions.

It is strong, light and easily carried. Dry plaster is easily removed by tapping and the skip has no sharp edges.

Brickwork



- Damp Proof Course 43
- Brickwork Reinforcements 44
- Cavity Closers 44
- Universal Wall Starter System 44
- Curing Hessian 44
- Wall Ties 45

DAMP PROOF COURSE

Polythene DPC



Size	Rolls per pack	Size	Rolls per pack
100mm x 30m	9	337.5mm x 30m	3
112mm x 30m	8	450mm x 30m	2
150mm x 30m	6	600mm x 30m	2
225mm x 30m	4	900mm x 30m	1
300mm x 30m	3	1200mm x 30m	1

A heavy embossed polythene DPC manufactured to BS6515, 500mu (2000 gge) thick in standard roll widths.

Insulated DPC



Insulation dimensions	DPC: Polythene to BS6515
100mm x 17mm x 10m coil	165mm x 10m coil
140mm x 17mm x 10m coil	225mm x 10m coil

The Insulated DPC has been developed to close off cavities around window and door openings and is intended to be used in conjunction with a return block. The Insulated DPC will also help to eliminate cold bridging around openings

- DPC conforms to BS6515
- DPC embossed to assist mortar adhesion
- Polyethylene foam insulation
- Conforms to BRE guidelines for thermal insulation
- Conforms to the requirements of BS6515

Gas Retardant DPC



Size	Size
100mm x 20m	337.5mm x 20m
112mm x 20m	450mm x 20m
150mm x 20m	600mm x 20m
225mm x 20m	900mm x 30m
300mm x 20m	1200mm x 30m

Our Gas Retardant DPC is a bitumen free polymeric sheet. This DPC is designed to remain effective for the lifetime of the structure.

- Extremely tough
- Flexibility at low temperatures
- Good mortar adhesion
- No extrusion under load
- Radon, CO2 and methane Gas Retardant DPC






Flexi-load High Performance DPC

Description

Polymer engineered High Performance DPC with a unique embossed surface. Tough, flexible and performs well under high compressive loads.



Features & Benefits

-  Contains no hazardous pitch
-  Excels under high compressive loads
-  Low permeability to Radon and Carbon Dioxide gases
-  Outstanding puncture and tear resistance
-  Embossed to increase adhesion and reduce slippage



Sizes available

100mm x 20m	337.5mm x 20m
112mm x 20m	450mm x 20m
150mm x 20m	600mm x 20m
225mm x 20m	900mm x 20m
300mm x 20m	1200mm x 20m

BRICKWORK REINFORCEMENT

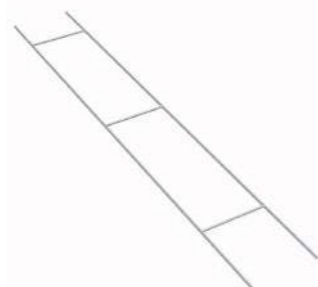
Expanded Metal Coils Galv & Stainless Steel



Sizes (Galv)	Sizes (S/Steel)
65mm x 20m	65mm x 20m
115mm x 20m	115mm x 20m
178mm x 20m	178mm x 20m
225mm x 20m	225mm x 20m
305mm x 20m	

This material acts as a reinforcement for brick and blockwork (stainless steel) and is suitable for partition slabs. It is easily incorporated in the normal thickness of a sand and cement bed. Manufactured from 26 gauge galvanised mild steel to BS2989: 1982 Grade Z2 G275 and in widths from 63mm to 305mm, in standard coils of 20 metres although other width and length combinations are available to special order. For extra protection against corrosion, the product is also manufactured in stainless steel.

Ladder Type Reinforcement



Length:	Width:
3150mm	60mm, 100mm, 150mm, 160mm, 175mm

This product has been developed to meet the ever increasing requirements of specifiers. The welded ladder type reinforcement is generally used in structural brickwork applications but can also be used for cross sections and widths. The reinforcement is manufactured from stainless steel grade 304 but is also available in galvanised. Conforms to BS5628: Part 2 2000.

Curing Hessian



42m x 1.37	Hessian Roll
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- Frost protection in building and construction
- Naturally Biodegradable Hessian material
- Hessian Roll can be used to protect mortar, new brickwork and concrete from bad weather and frost
- Hessian offers excellent insulation for plants and shrubs over winter.

330 Litre Mortar Tub



The mortar tubs are tough and durable, designed to maintain rigidity when laden, which makes them ideal for the safe, effective and efficient storage and transportation of materials around building sites. The material is based on a hexane polythene specifically developed for rotational moulding. The product has been designed

Insulated Cavity Closers (Multi Size)



2.4m Lengths Pre-Scored so can be used from 50mm to 150mm widths.

Insulated cavity closers are the economical way to achieve Building Regulations compliance when closing the cavity around window and door openings in second-fix installations when a frame former is not required. The rigid PVCu profile encloses a core of CFC-free insulation that forms a continuous insulated cavity closer, preventing cold bridging, damp penetration and condensation. The product can be used on all reveals or cavities and is suited to all types of doors and windows.

Universal Stainless Steel Wall Starter



- Internal and external use
- Brickwork, blockwork and random stone
- Single leaf or cavity wall
- Masonry up to 8 metres high
- Wall widths from 60mm to 250mm
- Imperial and metric masonry

Expansion Foam Joint filler



100mm x 10m	roll
150mm x 10m	roll
200mm x 10m	roll

Polythene foam expansion joint filler, undercut and perforated to form near mastic joint. Used in concrete slab construction and brickwork joints.

WALL TIES

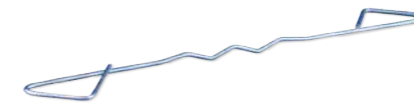
Type 2 General Purpose Housing Ties



200mm	Stainless
225mm	Stainless
250mm	Stainless
275mm	Stainless

This tie is made from heavier gauge stainless steel than the type 4 housing ties and are also available in bags of 30 with universal insulation retaining clips. Suitable for domestic dwellings and small commercial buildings up to 3 storeys.

Type 4 Housing Ties



200mm	Stainless
225mm	Stainless
250mm	Stainless
275mm	Stainless

Suitable for masonry cavities in domestic housing up to 2 storeys.

Double Triangular Ties



200mm	Stainless
225mm	Stainless
250mm	Stainless
300mm	Stainless
350mm	Stainless

Manufactured from stainless steel.

Flat Ties - Safe Ended



200mm	Stainless
225mm	Stainless
250mm	Stainless
275mm	Stainless
300mm	Stainless

Manufactured from stainless steel.

Debonding Sleeves



100mm x 20mm
100mm x 25mm

Will also fit standard frame ties and all safe end/plain end ties.

Insulation Retaining Disc



56mm diameter

Used to retain loose insulation in cavity walls. Universal fitting suits butterfly ties and double triangular ties, specify vertical twist type if required.

Staifix Starter Tie



225mm	Stainless
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This tie is quick and simple to install. It is suitable for use in brickwork and blockwork of up to 3 storeys or 8 metres in height and meets the technical requirements of the NHBC. Supplied complete with an 8mm nylon wall plug, the Starter Tie is fixed into the existing wall at an angle of 30° to the horizontal and bent into the bed joints of the new brickwork. Ties should be fixed at 225mm vertical centres and be central to each leaf of the new wall.

Cavity Ties



180mm	Stainless
200mm	Stainless
220mm	Stainless

These ties are similar to the starter tie and are suitable for cavities up to 75mm.

Screw-In Frame Tie



Length	Box qty
145mm	100

Yellow passivated general purpose screw-in frame tie.

Fixings



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BUILDING FIXINGS

Truss Clips



Size	Unit
38mm	each
50mm	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating for timber to timber applications. Avoids the damage caused by skew nailing to nail plates and timber trusses, and also provides positive resistance to wind forces acting on the roof.

It is recommended that 30 x 3.75mm square twisted galvanised nail to be used in all holes provided. (See nail section of details).

Framing Anchors



Size	Unit
Universal type	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating for timber to timber applications. Ideal for simple trimming where structural forces have to be transmitted such as trap hatches, chimney trimming, purlin fixings or joining any two pieces of timber together. Universal type for all applications. It is recommended that 30 x 3.75mm square twisted galvanised nails be used in all holes provided.

Restraint Straps



Size	Unit
600 to 2000mm in increments of 100mm	each

Manufactured from 30mm wide galvanised mild steel to BS2989 Grade G275 (z2) with 6mm pre-punched holes. Available in two thickness's; Heavy duty for horizontal restraint and light duty for vertical restraint. When ordering, please specify the overall length of the strap and then specify the position of the bend or twist.

Girder Truss Shoes



Size	Unit
38mm	each
50mm	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating for truss to truss connections at girders or truss beams. Available in 38mm, 50mm, 63mm, 75mm and 100mm. It is recommended that 30 x 3.75mm square twisted galvanised nails be used in all holes provided. (See nail section in this catalogue for details).

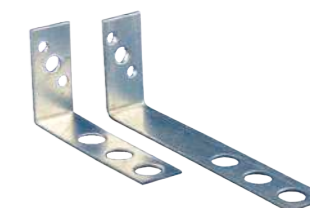
Multi-Purpose Strapping



Size	length
25mm x 1.0mm	15m
20mm x 0.9mm	10m

Manufactured from hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating and pre-punched to take up to 6mm diameter nails, screws or bolts.

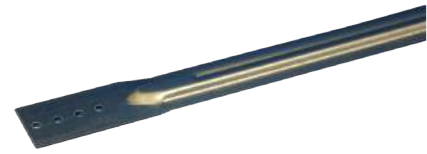
Door Frame Cramps



Size	Unit
Galv 100mm projection	per 100
Galv 150mm projection	per 100
Galv 200mm projection	per 100
Stainless steel 100mm projection	per 100
Stainless steel 150mm projection	per 100
Stainless steel 200mm projection	per 100
Stainless steel 250mm projection	per 100

Produced from 25 x 2.5mm galvanised mild steel, these ties are ideal for fixing door and window frames to brick or blockwork. One end is safe-ended for building in, and the other has two holes in the 50mm upstand to accommodate screws. Available from stock in galvanised and also stainless steel, and can be used with a debonding sleeve if required.

Herringbone Joist Struts



Size	Unit
20mm x 0.9mm x 10m	each
25mm x 1.0mm x 15m	each
50mm x 1.0mm x 10m	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating. Lightweight and easy to fix through pre-drilled strut ends. Available in three sizes:
Size (Joist Centres) 400mm, 450mm, 600mm

Double Sided Connectors



Size	Unit
50mm dia	per 100

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) double sided with 12mm bolt hole. Boxes of 200.

Galvanised Angle Brackets



Size	Unit
90mm x 90mm x 63mm	each
60mm x 40mm x 63mm	each
150mm x 90mm x 63mm	each
150mm x 150mm x 63mm	each

Versatile reinforced brackets for use in 90 degree connections for screw/bolt/nail fixing.

Hip Irons



Description	Size	Unit
Baby hips	200mm	each
Hip irons	300mm	each

Manufactured from 3mm thick mild steel and galvanised after manufacture. Scroll ended and available in three sizes: 200mm, 250mm and 300mm.

Rise & Fall Brackets



Size	Unit
Square pattern	112mm
1/2 round pattern	112mm

Adjustable for height by nuts supplied. Drive in spike for ease of installation. Stocked in square and 1/2 round patterns, 112mm

Square Plate Washers



Size	Unit
50mm x 50mm	per 1000

Manufactured from 3mm thick mild steel, self colour with 12mm bolt hole. Boxes of 250. Also available in galvanised finish.

Timber to Timber Hangers



Size	Unit
38mm	each
47mm	each
50mm	each
63mm	each
75mm	each
100mm	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating for timber to timber applications. Used on stairwell trimmers, trap hatches etc. The thickness allows for joists to be fixed without notching, and leg sections can easily be bent on site to requirements. Will suit joists up to 300mm and available in boxes of 100. Also available with extra long legs and 1.5mm thickness for heavy duty applications.

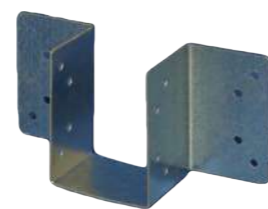
Heavy Duty Joist Hangers 'S' Type



Size	Unit
38mm	each
50mm	each
63mm	each
75mm	each
100mm	each
125mm	each
150mm	each

Heavy duty joist hangers for timber to brick applications are manufactured from 2.5mm thick mild steel and galvanised after. Safe working loads depend upon the strength of the supporting brick or block work. New masonry should be allowed to mature before load is applied. It is recommended that at least 450mm of masonry should be above the flange of the hanger, and the backplate of the hanger should be flat against the vertical masonry.

Mini Hangers



Size	Unit
38mm	each
50mm	each

Manufactured from 1mm thick hot dipped galvanised mild steel to BS2989 grade G275 (z2) coating for light duty timber applications. Available to suit 38mm and 500mm timber.

Multi Truss Hangers



Size	Unit
240mm	each
340mm	each
380mm	each
500mm	each
560mm	each
620mm	each

Designed to heavy duty face fix applications. Specify girth and width of timber required. Sizes:

Nail Plates



Size	Unit
100mm x 50mm	each
150mm x 50mm	each
150mm x 80mm	each
150mm x 100mm	each
200mm x 80mm	each
250mm x 80mm	each
350mm x 100mm	each

Manufactured from hot dipped galvanised mild steel to BS2989, These nail plates provide an efficient method for joining timber.

Ventilation



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Eaves Comb Filler strip	51
Roll Form Eaves Ventilator	51
Circular Soffit Vent (Push & Lock)	51
External Ventilation	52
Internal Ventilation	53

EXTERNAL VENTILATION

Continuous Soffit Vent Strip



Black, Brown or White | 2.4m

Supplied in 2.4 metre lengths, this extruded UPVC product provides 11,075mm² per metre run of net eaves ventilation, to meet the requirements of the building regulations F2 and NHBC requirements.

Over Fascia Vent



Black | 10mm airflow
25mm airflow

Used in new build or refurbishment, where the fascia board is fitted to the ends of the rafters creating a situation where ventilation can only be achieved over the top of the board. The vent is fixed to the top of the fascia board and the felt then placed on top of the vent after being fixed to the rafters.

Eaves comb filler strip



900mm

Available in 400mm, 450mm and 600mm centres to ensure ventilation to open eaves construction via the slotted air inlet. Fixed with the air inlet lapping over the external brickwork giving net ventilation per metre run of eaves of 11,075mm².

Roll Form Eaves Ventilator



6m | length

Available in 6 metre long rolls giving a universal design for truss centre. 400mm to 600mm or irregular spacing. Provides free airflow of 10-25mm.

Circular Soffit Vent (Push and lock)



White, Brown, and Black | 73mm dia

Suitable for ventilating new or old structures with quick and easy installation via a 70mm diameter hole. When fitting at 140mm centres, net eaves ventilation of 10,046mm² per metre run is achieved.

EXTERNAL VENTILATION

Telescopic Underfloor Vent



Black (use with combination airbrick) each

Used in conjunction with the combination airbrick to achieve approximately 6600mm of free airflow (which complies with the latest building regulations 1985 C4 and the recommendations of the NHBC). Installed in normal brickwork below the DPC and adjusted to three of four courses as required, or it may be cut down to two courses.

Vertical & Horizontal Extension Sleeve



150mm Long

Used in conjunction with the telescopic underfloor vent to provide an extension between 5 and 9 brickwork courses. Box quantity: As required

Underfloor Duct Adapter



Opens up to 100mm Pipe

To connect the rear opening of a telescopic vent to standard 100mm underground drainage pipe

Universal Cavity Wall Weep Vent



Terracotta, Buff, Brown, Blue/Black & Clear

A Preformed duct designed to replace a perpendicular mortar joint and to allow water gathered by cavity trays and DPC's to be discharged through the outer leaf and also to provide ventilation. To be installed at maximum 1 metre centres (i.e. every fourth perpendicular joint to comply with building regulations. BS5628 part 3 and BS8215. When working to NHBC standards, install at maximum 450mm centres (ie. Every other perpendicular joint).w

Felt Support Tray



1.5m length

Suitable for new build and remedial work, the Eaves Vent protector is designed to prevent damage to roofing felt at the eaves of a roof and to replace worn or perished roofing felt.

Combination Airbrick



Terracotta, Buff, Brown and Blue/Black 225mm x 65mm

Used in conjunction with the telescopic underfloor vent to provide approximately 6600m² of free airflow (which complies with the 1985 building regulations and the recommendations of the NHBC) when spaced every 2.2 metres.

INTERNAL VENTILATION

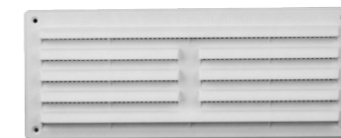
Plaster Ventilators



Plaster Vent (box of 25)	9" x 3"
Plaster Vent (box of 25)	9" x 6"
Plaster Vent (box of 25)	9" x 19"

Traditional louvred fibrous plaster ventilators in three sizes, with an integral fly screen.

Plastic Ventilators



Plastic Louvre (box of 25)	9" x 3"
Plastic Louvre (box of 25)	9" x 6"
Plastic Louvre (box of 25)	9" x 9"

Louvred plastic ventilators in three sizes, with an integral fly screen.

Hit and Miss ventilators



Hit and Miss vent (box of 25)	9" x 3"
Hit and Miss vent (box of 25)	9" x 6"
Hit and Miss vent (box of 25)	9" x 9"

Plastic ventilators in three sizes, with integral fly screen. Built in switch enables ventilator to be shut when required. Brass and Aluminium ventilators also available to order.

Soffit Vent Mesh



900mm length

Expanded stainless steel to provide ventilation whilst preventing the ingress of birds and insects. 75mm x 30m roll.

PVC Fly Mesh



6m length

PVC fly mesh available in 1m x 25m rolls. These can be slit down to meet customers requirements. Available to order. Also available in stainless steel.

Ancillaries



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BUCKETS

Black Builders Bucket



3 Gallon

Economical 3 Gallon black plastic builders bucket. For all general purpose uses.

Rubberised Flexitub



40l
72l

High quality flexible tubs designed specifically for construction use.

Scoop Bucket



3 Gallon

High quality 3 Gallon Builders Bucket with pouring spout and integrated scoop

Yellow 3 Gallon Heavy Duty



3 Gallon

High quality 3 gallon bucket. Flexible and long lasting for heavy duty use.

Invincible Yellow Buckets



3 Gallon

Highest quality yellow bucket, 3 Gallon capacity.

Plasterers Buckets



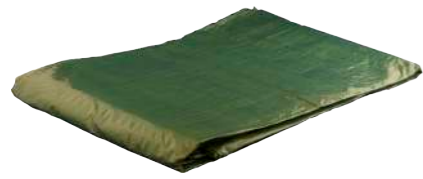
30l

This extra large plaster mixing bucket will not rust, rot, crack or distort under adverse conditions. Dry plaster is easily removed by tapping. 30 litre capacity.

Approximate external dimensions: 275mm diameter, 525mm deep.

AGGREGATE SACKS & TARPAULINS

Heavy Duty Tarpaulins



4m x 5m
7m x 5.4m

General purpose strong waterproof tarpaulins with eyelets and reinforcing rope around the hem.

Single Trip Aggregate Sacks



1 tonne weight capacity

Crane off load single trip bags with bottom discharge spout. 6:1 certified safety factor. Can be printed with name and telephone number for a minimal fee.

Polythene Aggregate Bags



Black 510mm x 737mm
Clear Extra Heavy Duty 760mm x 450mm

110mu linear blend polythene aggregate sacks, micro perforated clear virgin polymer. Ideal for hand bagging or machine bagging 40kg weights. Can be printed to customer's requirements with logos etc. at minimal cost.

145l Storage Trunks



940 x 520 x 450mm

- Strong and durable
- Ideal for indoor & outdoor usage
- 4 heavy duty wheels
- Lids can be locked for additional security

80l Bins



80l capacity

- High density polythene
- Recessed handles for easy carrying and manoeuvring
- Ideal for recycling waste
- Weather resistant

Compost Bins

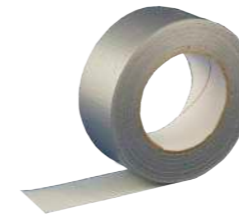


220l capacity

- Hatch door
- Lid comes with handle
- Hatch door
- Black in colour
- 100% recyclable

ANCILLARIES

Silver Tape



48mm x 50m

General purpose cloth tape, multi purpose uses.

Carpet Protection Film



70 micron 600mm x 50m

A clear film coated with a slightly stronger adhesive system to stick securely to most synthetic needle cord low pile rug and carpet surfaces. Offers quick and effective protection of walkways, stairways and large floor areas particularly useful in high traffic and sensitive areas.

Barbed Wire



200 metre reels
15 metre DIY reels

Barbed wire to B443/4102. High tensile wire for strength and permanent strain. Economical for general use. Reverse twist, double strand - 200 metre reels & 15 metre DIY reels.

Screed Fibres



0.91kg Bags
100g Bags

These screed fibres are an easy to use 100% virgin polypropylene micro-reinforced system for concrete. Used in applications at a minimum of 0.1% by volume they are supplied in measured bags for accurate dosing.

- Reinforces screeds
- Dispenses and mixes easily into concrete
- Minimises shrinking and cracking
- Improves impact and shatter resistance
- Pre weighed for correct dosage
- 100g bag correct for 1 bag OP cement

Pallet Stretch wrap



400m x 300m - 6 rolls per box 20mu

Hand applied pallet stretch wrap, blown type for extra strength, ideal for wrapping uneven pallets of bricks, blocks, timber etc.

Line Posts



2.4m 8"
2.4m 10"
Galvanised
Galvanised

2.4 metre galvanised line posts with cross pin top and supplied with socket for easy installation. Also available with cross pin bottom.

FENCING & WIRE

Chicken Wire



900mm x 50mm mesh	10m & 50m roll
900mm x 25mm mesh	10m & 50m roll
900mm x 13mm mesh	10m & 50m roll
1200mm x 50mm mesh	10m & 50m roll
1200mm x 25mm mesh	10m & 50m roll
1200mm x 13mm mesh	50m roll
600mm x 50mm mesh	10m roll
600mm x 25mm mesh	10m & 50m roll
600mm x 13mm mesh	10m & 50m roll

Galvanised economical fencing for various applications.

Razor Barb Wire



450mm Diameter	each
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A galvanised medium barb security tape for perimeter walls where security is of most importance.

Chain-link Fencing



Green PVC Coated 25m roll	900mm x 50mm
Green PVC Coated 25m roll	1200mm x 50mm
Green PVC Coated 25m roll	1800mm x 50mm

PVC Coated chainlink fencing supplied with linewire.

Galvanised Square Weld Mesh



13mm x 13mm mesh x 6m	900mm
25mm x 25mm mesh x 6m	900mm

Wire netting suitable for many commercial and domestic applications, including fencing, cages, plant support and protection.

Building Paper



1 x 25m	roll
1 x 50m	roll

Multi purpose, tough, waterproof membrane, sisal reinforced for extra strength. Used for concrete curing and underlays, barrier applications BS 1521: 1972 Class A1F.

Plasterboard Hoods /Plaster Hoods



These pallet hoods are manufactured from virgin low density polythene and are specifically designed to provide temporary protection of plasterboards and dry bagged plasters during storage and on sites.

The plasterboard hoods are 37mu thick clear polyethylene (polythene).

The plaster hoods are 40mu thick. All types are fully recyclable.

Description	Size
8' x 4' (2400mm x 1200mm) - 37mu	1525mm x 3750mm
9' x 4' (2700mm x 1200mm) - 37mu	1525mm x 4050mm
10' x 4' (3000mm x 1200mm) - 37mu	1525mm x 4350mm
Plaster Hoods 1525mm x 2675mm x 1800mm - 40mu	

ANCILLARIES

Drive in Post Support



600mm drive in post support	epoxy coated 2.5mm mild steel
To suit timber -	50mm x 50mm
	75mm x 75mm
	100mm x 100mm

This product eliminates the need for digging and provides a bold system to hold the timber and can therefore be used on undersized posts.

Bolt Down Post Support



To suit timber - 50mm x 50mm
75mm x 75mm
100mm x 100mm

For use in concreted or paved areas.

Fence Panel Clips



44mm
52mm

Fence panel fixing clips a quick and easy way to secure fence panels to posts.

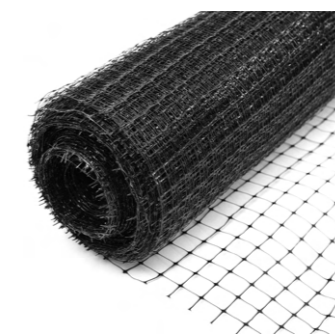
Dust Sheets



9" x 12"	Dust Sheet
24" x 3"	Stairway Dust Sheet

Excellent quality cotton twill dust sheets & Stairway dust sheets.

Insulation Support Net



Roll Size	2m x 100mm
Mesh Size	20mm x 20mm

Insulation Net is used to support insulation materials between floor rafters or in a vertical wall insulation and is simply installed by stapling or tacking to the rafters or vertical struts. The insulation Net is allowed to sag between the rafters and will support a depth of insulation from 100mm to over 250mm. A single thickness of insulation Net can span rafters up to 450mm apart and a double thickness up to 1200mm

Hessian Sand Bag



Bag Size	330mm x 760mm
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Rotproof hessian sand bags. Ideal for flood defence, weighing down of road signage, agricultural netting and tarpaulins.

METER BOXES

Standard Flush fitted (Built-in) Electric Meter Box



409mm wide x 595mm high x 210mm deep

Medium Flush Fitted (Built-in) Electric Meter Box



485mm wide x 685mm high x 210mm deep

Surface Mounted Electric Meter Box



400mm wide x 600mm high x 220mm deep

The most popular electric meter box, the standard flush fitted electric meter box houses any domestic electric meter and is designed to mirror the standard built-in gas meter box. With customer choice of cable entry positions this universal version can be used in any area of the UK. Overall size: 409mm wide x 595mm high x 210mm deep. Brickwork opening: 365mm x 535mm x 150mm. Hockey stick available.

Larger than the standard box, as usually required in the Manweb electricity area, the medium flush fitted electric meter box houses any domestic electric meter. Cable entry can only be through the building cavity as the external protrusion is smaller than the standard box. Brickwork opening: 405mm x 610mm x 150mm. Hockey stick available.

Used primarily for conversions where it is not appropriate to build into the wall. Hockey stick available.

Flush Fitted (Built-in) Gas Meter Box



409mm wide x 595mm high x 210mm deep

Surface Mounted Gas Meter Box



408mm wide x 510mm high x 242mm deep

The built-in gas meter box houses all domestic U6 and G4 meters and is designed to mirror to standard flush fitted electric meter box. This box is fully approved to National Grid Gas (Transco) specifications. Brickwork opening: 370mm x 530mm x 150mm..

Popular for use in conversions, or for when there is no cavity to build into. The surface mounted gas meter box can be used as a replacement cover for a broken meter box when the back plate is removed. This box is fully approved to National Grid Gas (Transco) specifications.

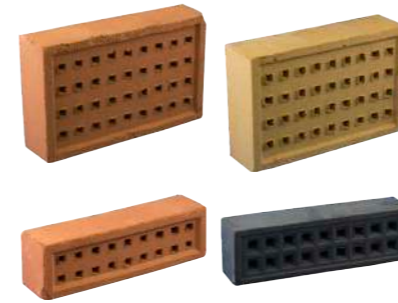
Hockey Sticks



White Hockey Stick suitable for use on external walls.

STONEWARE

Square Hole Airbricks



Square Hole Airbrick	215mm x 56mm
Square Hole Airbrick	215mm x 140mm
Square Hole Airbrick	215mm x 215mm

Cavity Liners



Cavity Liner	215mm x 65mm
Cavity Liner	215mm x 140mm
Cavity Liner	215mm x 215mm

Stellgas Terminal



Stellgas Terminal	180mm Spigot
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Available in Red, Buff & Blue / Black

Fluvent



Fluvent	80mm Spigot
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Available in Red & Buff

Bonnet Insert



Bonnet Insert	180mm Spigot
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Available in Red & Buff

Mushroom insert



Mushroom Insert	180mm Spigot
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Available in Red & Buff

Chimney Pot-Roll Top



Chimney Pot-Roll Top	300mm
Chimney Pot-Roll Top	375mm
Chimney Pot-Roll Top	450mm
Chimney Pot-Roll Top	600mm

Flue Liner



Flue Liner	180mm x 300mm
Flue Liner	225mm x 300mm

Available in Red, Buff & Blue & Black

Flue Liner Bend



Flue Liner Bend 22.5 degree	185mm
Flue Liner Bend 37.5 degree	185mm
Flue Liner Bend 22.5 degree	225mm
Flue Liner Bend 37.5 degree	225mm

Gripfill

Gripfill	350ml
Gripfill - Solvent Free	350ml

High strength gap filling and panel adhesive, 350ml cartridge, 12 per carton. One cartridge bonds at least one 8' x 4' panel. Also used for skirting boards, stair nosings, architraves and wide range of building materials; (not suitable for bonding polystyrene).

Expanding Foam

Size	750ml
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General all purpose filling of holes, gaps and joints.
- Moisture curing, self expanding foam to all common building materials, resistant to water, heat and ageing.

Quick-mix Concentrated Plasticiser

Size	1l
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An easy mix concentrated formula with a controlled usage measuring dispenser. Easy to use and store. A 1 litre bottle is equivalent to a 25 litre container of ordinary plasticiser.

Accelerator & Frostproof

Size	2.5l, 5l
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A liquid additive formulated to accelerate hardening and setting times of mortar, concrete and rendering to provide frost protection during the setting period, 2.5 litre and 5 litre.

Mortar Admix

Size	5l, 25l
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An air entraining plasticiser that replaces lime in the mix to provide a butter like consistency to the mortar and to prevent shrinkage, cracking and crazing during the settings process. 5 litre and 25 litre.

Integral Waterproof

Size	2.5l, 5l, 25l
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A liquid additive that provides long term water protection to mortar, concrete and rendering. 2.5 litre, 5 litre and 25 litre.

Brick & Patio Cleaner

Size	5l
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Brick and patio cleaner is a powerful acid based cleaner used to remove mortar stains from brickwork etc. Also suitable for cleaning unsightly stains, algae, most paints and oils etc from patio areas.

SBR Bond

Size	5l, 25l
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SBR Bond is a white liquid, which has numerous uses as an admixture, primer, bonding agent and sealer.

PVA Bond

Size	5l, 25l
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PVA Bond is a multi-purpose bonding agent, primer, sealer, cement and plaster admixture that adheres to most common building and DIY materials. Ideal for priming unsound surfaces prior to plastering or painting, as an adhesive on wood, cork, textiles and most applications.

Waterseal

Size	5l, 25l
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A high performance transparent water repellent specially formulated to prevent water penetration on all mineral substrates such as brick, stone, concrete, pebble-dash and rendering. Silicone based with no solvent content. 5 litre and 25 litre.

Self Levelling Floor Compound

Size	
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At one part cementitious chloride/protein free levelling compound. When mixed with water it provides a smooth, level base for most common internal floor types such as concrete and sand/ cement screed. Conforms to EN 13813 CT-C16-F4.

Conditions of Sale

In these conditions "The Company" means Principal Building Products Limited and any subsidiary of the Company by which the goods are sold.

GENERAL

- (a) The Company's quotations are not binding on the Company and a contract ("the Contract") will only come into being upon acceptance by the Company of the Customer's order and the following conditions shall be deemed to be incorporated therein.
- (b) The Contract will be subject to these conditions. All terms and conditions appearing or referred to in the Customer's order or otherwise stipulated by the Customer shall have no effect. Any variation of the Contract must be confirmed in writing by the Company.
- (c) Where goods are to be supplied from stock, such supply is subject to the availability of stocks at the date of delivery.

PRICES

- (a) Where the goods are sold by reference to the Company's published price list the price payable for the goods shall be the ruling price as published in the price list current at the date of despatch of the goods from the Company's works or such other price as may be notified by the Company from time to time.
- (b) There shall be added to the price for the goods any value added tax and any other tax or duty relating to the sale of the goods (whether initially charged on or payable by the Company to the Customer).
- (c) Payment shall be made in pounds Sterling.

TERMS OF PAYMENT

Prices are quoted net and are in Sterling unless otherwise agreed. Subject to credit being approved and unless otherwise expressly agreed accounts are due for payment not later than the end of the month following the month of invoice; otherwise payment must be received by the Company before delivery. When deliveries are spread over a period each consignment will be invoiced as dispatched and each month's invoices will be treated as a separate account and be payable accordingly. Failure to pay for any goods or for a any delivery or instalment shall entitle the Company to suspend further deliveries both on the same order and on any other order from the Customer without prejudice to any other right the Company may have. The Company also reserves the right to charge interest on overdue accounts at the rate of 2% per month. The Company reserves the right where genuine doubts arise as to a Customer's financial position or in the case of failure to pay for any goods or any delivery or instalment as aforesaid to suspend delivery of any order or any part or instalment without liability until payment or satisfactory security for payment has been provided.

TITLE OF GOODS

- (a) Legal and beneficial ownership of goods shall remain with the Company until payment in full has been received by the Company:
 - (i) for those goods
 - (ii) for any other goods supplied by the Company (iii) of any other monies due from the Customer to the Company on any account.
- (b) Until property in the goods passes to the Customer under paragraph (a) above, the Customer shall:
 - (i) be bailee of the goods
 - (ii) keep the goods separately and readily identifiable as the property of the Company
- (c) (i) Notwithstanding paragraph (a) above the Customer may (as between it and its customer only) as principal in the ordinary course of its business sell the goods by bona-fide sale at full market value or in the ordinary course of its business use the goods.
- (ii) Goods shall be deemed sold or used in the order delivered to the Customer.
- (iii) Any resale by the Customer of goods in which property has not passed to the Customer shall (as between the Company and the Customer) be made by the Customer as agent for the Company.
- (d) (i) If goods in which property has not passed to the Customer are mixed with or incorporated into other goods the property in those other goods shall be held on trust by the Customer for the Company to the extent of the sums recoverable by the Company under paragraph (a) above. (ii) The proceeds of sale of any goods and any other goods referred to in paragraph (d)(i) above shall be held by the Customer in trust for the Company to the extent of all sums recoverable by the company under paragraph (a) above. (iii) The Customer shall keep any proceeds of sale as referred to in paragraph (d)(ii) above in a separate account and the Company shall have the right to trace such proceeds (according to the principles in re Halletts estate (1880) 13 Ch D696)
- (iv) Upon accounting to the Company for the entire proceeds of sales made under paragraphs (c)(iii) and (d)(i) above, the Customer will pay to the Company a commission equivalent to the difference between the sums owed to the Company and the value of such proceeds.
- (e) The Customer assigns to the Company all rights and claims the Customer may have against its own customers and others in respect of goods specified in paragraphs (c)(iii) and (d)(i) above.
- (f) At any time prior to property in goods passing to the Customer (whether or not any payment to the Company is then Overdue or the Customer is otherwise in breach of any obligation to the Company) the Company may without prejudice to any other of its rights:
 - (i) retake possession of all or any part of the goods and enter any premises for that purpose (or authorise others to do so) which the Customer hereby authorises
 - (ii) require delivery up to it of all or any part of the goods
 - (iii) terminate the Customer's authority to resell or use the goods forthwith by written notice to the Customer which authority shall automatically terminate (without notice) upon any insolvency of the Customer or it going into liquidation (as defined in the Insolvency Act 1986) or it having a receiver or administrative receiver appointed or calling a meeting of its creditors or any execution or distress being levied on goods in its possession.
- (g) The Company may at any time appropriate sums received from the Customer as it thinks fit notwithstanding any purported appropriation of the Customer.
- (h) Each paragraph and sub-paragraph of this clause is separate, severable and distinct.

WARRANTY: LIMIT OF RESPONSIBILITY

The Company warrants that it will so far as it is able so to do give the Customer the benefit of any express guarantee or warranty by the manufacturer of the goods and of any other rights which the Company has against the manufacturer. The Customer's remedies in respect of any claim that the goods are defective or not in accordance with the Contract or any express description or representation or in respect of any condition or warranty implied by law or any other claim in respect of the goods or any workmanship in relation thereto (whether or not involving negligence on the part of the Company) shall in all cases be limited to enforcement of the above mentioned liabilities of the manufacturer and the Company shall not in any circumstances be liable for damages compensation costs expenses losses or other liabilities whether direct or consequential and any other remedy which would otherwise be available in law is hereby excluded except to the extent that such exclusion is prohibited by any rule of law. A claim in respect of any defect or failure to comply with the specification or in respect of any delivery or instalment of any order or any part thereof shall not entitle the Customer to cancel or refuse delivery of or payment for any other order, delivery of instalment or any part of the same order, delivery or instalment.

Conditions of Sale Continued

DELIVERY AND COMPLETION DATES

(a) The delivery dates specified in the Contract are approximate only and, unless otherwise expressly stated, time is not of the essence for delivery. The Company will not be liable in any circumstances for the consequences of any delay in delivery or failure to deliver.
 (b) No delay shall entitle the Customer to reject any delivery or any further instalment or part of the order or any other order from the Customer or to repudiate the Contract or the order.

DAMAGE, SHORTAGE OR LOSS IN TRANSIT

(a) Where the Contract provides for delivery to the Customer's site, risk will pass at the point of delivery to the Customer's site and the Company will entertain a claim by the Customer in respect of loss or damage in transit only if the Customer:
 (i) gives written notice to the Company within 21 days of non-delivery or within 7 days of the delivery of the goods in any other case, and
 (ii) where the goods are transported by an independent freight carrier, complies in all respects with the freight carrier's conditions or carriage for notifying claims for loss or damage in transit.
 (b) Where the Customer collects the goods the risk in the goods passes on despatch from the Company's works.

DELAYED ACCEPTANCE

If for any reason the Customer is unable to accept delivery of the goods when the goods are due and ready for delivery the Company may arrange storage of the goods at the Customer's risk and the Customer shall be liable to the Company for the reasonable costs (including insurance) of such storage. Further, where the Customer refuses to accept delivery of goods which have been transported to it, the Customer will be liable to the Company for all additional transport costs incurred. These provisions are without prejudice to any other right which the Company may have in respect of the Customer's failure to take delivery of the goods or pay for them in accordance with the Contract.

TERMINATION

If the Customer enters into a deed of arrangement or commits an act of bankruptcy or compounds with his creditors or if a receiving order is made against him or (being a company) it shall pass a resolution or the Court shall make an order that the Customer shall be wound up (otherwise than for the purposes of amalgamation or reconstruction) or if a receiver (including an administrative receiver) shall arise which entitle the Court or a creditor to appoint a receiver (including an administrative receiver) or a manager or which entitle the Court to make a winding up order or if the Customer takes or suffers any similar action in consequence of debt or if the financial responsibility of the Customer shall, in the opinion of the Company become impaired or if the Customer shall commit any breach of any part of the Contract the Company may without prejudice to its rights and remedies hereunder stop all goods in transit and suspend further deliveries and by notice in writing to the Customer may forthwith determine the Contract.

PATENTS

The Customer shall indemnify the Company against all actions, Costs (including the cost of defending any legal proceedings) claims proceedings, accounts and damages in respect of any infringement or alleged infringement of any patent, registered design, unregistered design, design right, copyright, trademark or other industrial or intellectual property rights resulting from compliance by the Company with the Customer's instructions, whether, express or implied.

INDEMNITY

The Customer agrees upon demand to indemnify the Company against all losses, damages, injury, costs and expenses of whatever nature suffered by the Company to the extent that the same are caused by related to the improper incorporation, assembly, use, processing, storage or handling of goods by the Customer.

PACKING

(a) Unless otherwise specified, packing cases and packing materials will be charged extra, but where stated to be returnable, will be credited in full on return to the Company's works carriage paid in good condition, within one month or receipt by the Customer.
 (b) The Company uses all reasonable endeavours to ensure, where necessary, suitability of packing before despatch, but no claim will be accepted by the Company for breakage or damage on the ground of alleged unsuitability of packing.

SUB-CONTRACTING

The Company shall be entitled to sub-contract any work relating to the contract without obtaining the consent of, or giving notice to, the Customer.

APPLICABLE LAW

The Contract shall in all respects be governed by and construed in accordance with English Law and the Customer hereby submits to the non-exclusive jurisdiction of the English Courts.

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