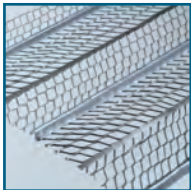
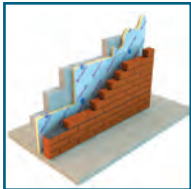


PRODUCT BROCHURE



***And you thought
we only sold lintels!!!***

CONTENTS



	<i>Page</i>
Steel Lintels	1
Selecting the correct lintel	2
Hi-Therm Lintels and Corner Window Support	3
Concrete Lintels and Padstones	4
Archformers, Steelwork, Masonry Support Systems and Windposts, Gas & Electricity Meter Boxes	5
Wall Ties and Frame Cramps	6
Movement Ties, Head Restraints and Neutras Ties	7
Wall Starters and Remedial Ties	8
Channel Systems and Crack Control	9
Cavity Closers and Stop Socks	10
Stepped Cavity Trays	11
Horizontal Cavity Trays	12
Through Wall Ventilation	13
Damp Proof Courses	14
Damp Proof and Gas Membranes	15
Tanking Membranes and Vapour Barrier	16
Insulation	17
Builders Metalwork	18
Restraint Straps and Timber to Timber Joist Hangers	19
Face Fix and Masonry Joist Hangers	20
Angle Brackets and Sundry Metalwork	21
Galvanised and Stainless Steel Plastering Beads	22
PVC-u Plastering Beads	23
Plastering Laths	24
Above and Below Ground Drainage	25
Channel Drainage and Composite Manhole Covers	26
Land Drainage, Ducting and Pushfit Plumbing	27
Roof Ventilation	28
Soffit Ventilation and Valley Troughs	29
Roof Finish products	30
Roof Windows	31
Loft Access Doors and Access Panels	32
Sealants and Adhesives	33
Building Chemicals	34
Fixings, Fasteners and Tools	35

STEEL LINTELS



We dual stock IG and Birtley lintels and carry a comprehensive range to suit all examples of brickwork construction. We are happy to help from the simplest lintel replacement through to house extensions, new build and major housebuilding projects.

Cavity Wall Lintels: Are available as Standard Duty, Heavy Duty and Extra Heavy Duty Loading also as wide inner or wide outer leaf and eaves varieties



Installation Advice: Blockwork built tight against inner face of the lintel. Place mortar bed on top of blockwork before floor units are laid to provide even distribution of load. Steel Lintels may be propped to facilitate speed of construction, however only prop lintel after initial masonry load has been applied. Lintels to have a minimum end bearing of 150mm on each side of the opening, bedded on mortar. Level the lintel along its length and across its width. Raise the inner and outer leaves simultaneously, masonry to be laid on a mortar bed and all perpendicular joints to be filled. All external wall lintels must be installed with a flexible damp proof course complete with stop ends on either side and wall weeps provided at maximum 450 intervals.

Solid Wall Lintels



Box lintels can be used for internal or external openings and with a variety of wall thicknesses. The box lintel has perforations along its length acting as a plaster key, as an optional extra box lintels can be insulated. Solid wall lintels can also be supplied to suit fair faced brickwork on both sides and also to suit internal partition requirements where no floor loading exists.

Single Leaf Lintels

Used to support the outer leaf of cavity wall construction. The lintel angle can be supplied with no top bend and the channel lintel is suitable to carry greater loads. In addition lintels can be supplied to suit timber frame applications.



Lintels are available in stock from 750mm upto 4800mm in length in a variety of ranges, we are able to supply special lintels in the form of bay window lintels, arches, apexes and even sun louge lintels. All lintels throughout the range are also available in Stainless Steel. Special lintels will be subject to an extended delivery period usually 5-7 working days further to receipt of any signed drawings required.



SELECTING THE CORRECT LINTEL

You will need to know 5 things:

1. What is the wall construction?
2. What is the length of the lintel?
3. What is the load to be supported by the lintel?
4. What is the load ratio between the inner and outer leaves of the cavity wall?
5. How to interpret the load tables.

1. Select Wall Type



Cavity Wall



Timber Frame



Single Leaf



Solid Wall



Internal Partition



External Solid Wall

Example 1: Cavity Wall Construction

You will need to know: A Outer Leaf = 102mm B Cavity = 100mm C Inner Leaf = 100mm Block

2. What is the length of the lintel?

Example 2: Lintel Length

How wide is the structural opening?

1. Measure the size of the structural opening i.e. the clear span between the masonry supports.
2. Add 150mm minimum bearing to each end.

Example lintel length = 150 + 1800 + 150 = 2100mm

3. What is the load to be supported by the lintel

Example 3: Load on lintel

The load on a lintel comes from

1. Masonry.
2. Roof loads, Truss/Attic/Cut.
3. Floor loads, Joists/slabs.
4. Live loads, Residential use/Commercial use/Industrial use.
5. Combination of the above.

If any advice is needed then please contact us and we will do our best to help.

4. What is the load ratio between the inner and outer leaves of cavity wall

Total UDL kN 3:1, up to 75% load is on the inner leaf i.e. less than or equal to 75% load on the inner leaf and greater than or equal to 25% on the inner leaf or

Total UDL kN 19:1, up to 95% load is on the inner leaf i.e. less than or equal to 95% load on the inner leaf and greater than or equal to 5% on the inner leaf.

5. Interpreting the load table

L1/S 100		For cavity widths 90-105mm										90-105mm cavity	
Manufactured length 150mm increments	600- 1200	1350- 1500	1650- 1800	1950- 2100	2250- 2400	2550- 2700	2850- 3000	3150- 3600	3750- 4050	4200- 4800			
Height 'h'	88	88	107	125	150	162	171	200	200	200			
Thickness	1.6	2.0	2.0	2.0	2.0	2.6	2.6	3.2	3.2	3.4			
Total UDL kN 3:1	12	16	19	21	23	27	27	27	26	27			
Total UDL kN 19:1	10	13	16	17	18	22	20	20	19	22			

Lintel reference

Cavity widths

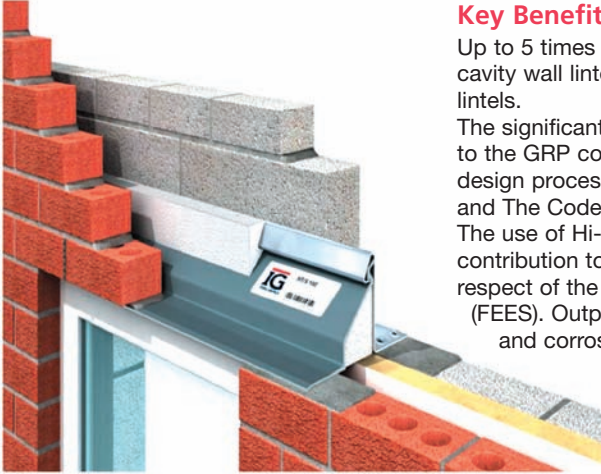
Manufactured lengths in 150mm increments

Total UDL: Determining the load ratio

HI-THERM LINTELS



Hi-therm lintels have been specifically designed to address the demands of lowering u-values within the construction industry. Manufactured from a combination of GRP and galvanised steel, these two components when combined produce a Psi Value (ψ) of just 0.05W/mK (linear thermal resistance)



Key Benefits

Up to 5 times more thermally efficient than a steel cavity wall lintel, Hi-Therm outperforms other lintels.

The significant reductions in thermal bridging due to the GRP component will assist in the building design process to achieve compliance with Part L and The Code for Sustainable Homes.

The use of Hi-Therm will make a significant contribution to a buildings performance in respect of the Fabric Energy Efficient Standards (FEES). Outperforming Stainless Steel on price and corrosion resistance.

Design Features

- Patented GRP and Galvanised Steel hybrid design.
- Galvanised steel is used to support the heavier load on the inner leaf of the cavity wall.
- Profiled CFC free insulation ensures the continuity of insulation.

Additional benefit is that DPC is not required on Hi-Therm lintels due to the outer section of the lintel being produced from GRP, GRP as a product will not corrode.

Hi-Therm lintels have also achieved a 1 hour fire resistance certificate.

CORNER WINDOW SUPPORT SYSTEM



In addition to supplying pre-manufactured corner and bay lintels, we can also supply the Bay 9 Corner Window Support System which comprises a corner cap plate with dowels for the Birtley range of lintels to locate over, using pre-punched holes in the ends of the lintels. Bay 6 system is designed to support vertical loads only in standard duty loading conditions, such as standard domestic construction with timber floor loads.

Bay 6 System can also be used for sun lounges on the basis that separate provision is made for horizontal or windloads by a structural engineer.

Corner sections are available in three sizes to suit cavity walls of between 250-270, 270-290 + 290-310mm. They are available in either a 90 degree or 135 degree to suit square or splayed corners.

The system is available with a choice of two posts either at 1645mm or 3000mm long and each post can accommodate a maximum vertical load of 10Kn.



CONCRETE LINTELS



Concrete lintels are an economical solution to providing support for masonry above openings. We stock both pre-stressed and precast concrete lintels providing a range of solutions for any requirement from acting as service lintels below the ground to Hi-strength applications above.



Standard Concrete Lintels

We stock a range of standard concrete lintels covering the ranges: 100x65, 140x65, 140x100, 100x140, 100x100, 140x140, 100x215, 215x100, 140x215, 215x140 and 100x290.



Hi Strength Concrete Lintels

Hi Strength concrete lintels are available from stock as 100x145, 100x215 and 140x140, though we also supply 140x215 and 215x215 which are subject to a delivery period available upon request.



Fair Faced Concrete Lintels

Fair faced concrete lintels are available in any of our standard sections are normally available on a 5-7 working day period. We keep in stock the 100x140 and 140x140 sections.



Fire Rated Concrete Lintels

All of our fair faced lintels are rated at half hour fire rating and we can then further supply 1hr, 2hr and 4hr rated lintels depending on your requirement. In addition we can supply these lintels in a range of colours in this range in all except the 4hr offering.

Padstones

We supply a large range of padstones to suit our supply of RSJ's. Available sizes include 440x100x215, 440x140x215, 440x140x100, 440x290x215, 330x100x215, 330x140x215, 300x140x100, 330x290x215, 215x100x215, 215x140x100, 215x140x215, 290x250x215 and 215x215x215. Corner padstones are also available as 440/440x100x215 and 330/330x140x215. Other sizes are available as special manufacture.



UNIVERSAL ARCHFORMERS



When low rise arches are required in brickwork above openings, the Universal Arch provides the ideal former for the bricklayer. Vacuum-formed from white pigmented impact resistant polystyrene.

Suitable for use in cavity walls and with timber frame construction, the unit is designed to sit on any steel lintel with an outer flange of 90mm to 95mm.

STEELWORK and STEEL FABRICATION

In addition to supplying pre-formed metal lintels, we are also able to supply RSJ Beams, Universal Beams, Universal Columns, Parallel Flange Channels and Steel Angles which can be drilled, primed or painted upon request.

MASONRY SUPPORT SYSTEMS and WINDPOSTS



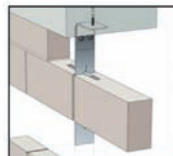
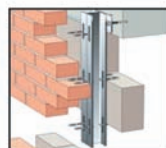
Masonry support systems provide the solution when masonry and brick panels must be restricted in size to avoid stress caused by excessive loading or differential expansion.



Masonry support systems may also be used in a conventional lintel application above openings in concrete and steel frame inner leaf applications.



Windposts are designed to provide lateral support to panels of brickwork or blockwork by spanning between floor structures. They are designed to fit either in a cavity or into the inner skin of the cavity wall and connect into the masonry via one way or two way ties. Windposts will be fixed top and bottom via a system of plates or angles depending on the requirement on any particular project. Drawings will be provided prior to manufacture for approval.



GAS and ELECTRICITY METER BOXES

We stock and supply the MCL's Mitras™ range of meter boxes, they are approved and installed by all major utility companies and house builders.



Our stocked range of meter boxes are recessed, or 'built-in', white finish boxes and are the most commonly used model for new house builds. Our gas meter boxes are suitable for housing all domestic U6 and G4 meters, whilst the recessed electricity boxes are suitable for all domestic electricity meters. Other meter boxes are available on special request including as a brown finish option and also as surface mounted or semi buried varieties.

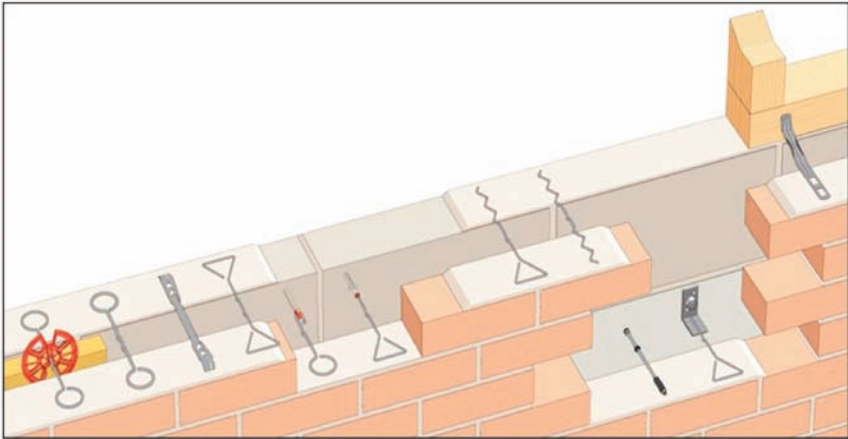


WALL TIES, FRAME CRAMPS and MOVEMENT TIES

Wall ties and frame cramps are primarily used to tie an inner leaf of blockwork to an outer leaf of brickwork or to tie a leaf of brickwork to a fixed point such as a steel stanchion.

We stock all our wall ties and frame cramps in stainless steel to avoid any possible corrosion as a result of moisture attack in the cavity of a wall.

Masonry cavity wall ties are stocked in three different ranges, a type 4 tie as a light duty housing tie suitable for brickwork up to 10m in height, a type 2 tie which is classed as a general purpose tie and suitable for brickwork up to 15m in height and finally a type 1 tie classed as a heavy duty tie. Depending on which tie is required lengths are available at 200, 225, 250, 275 + 300mm.



Frame cramps are available with different variations and projections as required. Standard projections are 75, 100, 125, 150, 175, 200, 225, 250, 275 and 300mm, upstands can be the regular 30mm or for a higher upstand 50mm. The cramp can have a multi holed or slotted upstand and the cramp itself can be plain ended or safety ended. A v-drip can be added in the projection of the frame cramp to prevent moisture travelling from outer to inner walls. A debonding sleeve is used if a movement joint is required. Additionally an insulation disc can be used with either wall ties or frame cramps if there is part fill insulation in any cavity involved. Isolation sleeves can also be used when fixing a stainless steel tie to a mild steel frame to prevent bimetallic reaction.

Timber frame wall ties are manufactured from stainless steel for cavities between 50 and 100mm in timber frame buildings. Sizes 125mm for a 50mm cavity, 150mm for a 75mm cavity and 175mm for a 100mm cavity.



Installation Advice

All wall ties should be fixed at 900mm centres horizontally and 450mm vertically. Around door and window openings wall ties should be fixed at no more than 300mm vertical centres and no more than 225mm from the openings. Wall ties should also be fixed at no more than 225mm from the DPC/ground floor level and no more than 225mm from a corner of a structure.

Movement Ties

Movement ties are used where lateral movement is required in a wall to prevent cracking, standard lengths of ties, 150, 200, 225 and 250mm. The ties are used in conjunction with a closed cell polyethylene joint filler available in rolls of either 10mm or 12mm thick and either 100 or 150mm wide. All rolls are 10m in length.



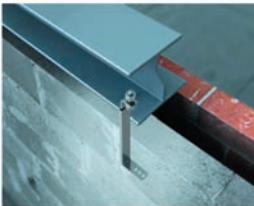
Two Part Ties

Two Part Ties are used for larger cavities, typically 150mm to 300mm. The tie comprises one short length built into the inner leaf as construction proceeds. The other side is longer subject to the size of the cavity and locks into the shorter section to create the full tie. Complete the smallest length is 300mm to suit a 150mm cavity rising to a 450mm length for a 300mm cavity.



Head restraints and sliding brick anchor stems

Head restraints and sliding brick anchor stems are used to provide lateral restraint to the head of a wall. The three main options are:



*Internal Head Restraint.
Provides restraint to a structural soffit whilst allowing for vertical movement.*



*Concealed head restraint.
Provides an economical solution to either 100 or 140mm thick wall*



*Sliding Brick Anchor Stems
These are used in heavy duty scenarios and can be used with either a one way or two way ties to fix into either one or both leaves.*

Neutras Ties

Neutras wall ties have been designed to provide a low thermal conductivity solution to masonry walls where a low U value is required. They are available as a type 4, type 2 and type 1 offering and as such are able to offer high structural performance levels.



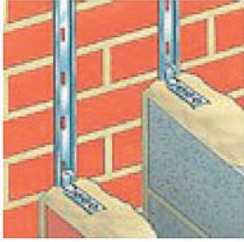
Stone Cramps

Stone cramps are frame cramps with 3 dowel holes in the projection to allow for 6mm dowel bars to pass through and to allow for a range of fixing options. They are used to restrain stone cladding and coping stones and are available in a variety of projections commencing at 50mm and rising in 25mm increments up to 300mm.



Many other types of ties are also available including clasp ties, wire frame cramps, wire clasp ties, column ties, traditional double triangular wall ties and flat safety-safety ties for collar joints.

Wall Starters and Starter Ties



Wall starters are designed to tie a new masonry wall to an existing superstructure without having to cut out brickwork, they are designed to allow for vertical movement in the new wall, a sleeve can be added to the tie if lateral movement is also required. Wall starters are suitable for walls of up to 3 storeys high or 8m maximum.

Starter ties are used where new walls are being built direct from an existing wall or where a wall or window frame needs to tie into a masonry course. Ties start at 130mm projection for where brickwork needs to commence directly adjacent to existing brickwork or timber frame.



If a cavity is required then the tie used will be a cavity starter tie, a cavity starter tie comes with a drip along the length to prevent moisture travelling from the outside leaf to the inner leaf of masonry. All starter ties come with a nylon plug to allow fixing into masonry. Lengths available 180, 200, 225, 250 + 275mm.

Remedial Wall Ties

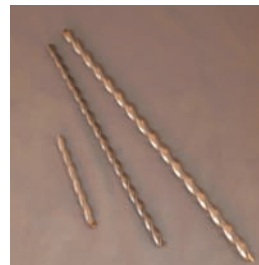
Remedial Wall Ties are used in masonry construction where no wall ties exist or where existing ties have perished. They are made with a neoprene spreader on both ends designed to spread and grip the masonry as the tie is tightened. Application: Drill an 11mm hole through the outer leaf and into the inner leaf to a minimum depth of 70mm. The tie is mechanically fixed using a fixing tool which will tighten the tie as it grips first on the inner leaf and secondly to the outer leaf.



The inner neoprene spreader has oversized ridges to create an immediate grip on the wall of the hole removing the reliance on the knurled nut to hold whilst the inner section of the tie is expanded. Designed for use on domestic properties or small commercial projects where brickwork does not exceed 15m in height.

Helical Fixing Ties

Helical Fixing Ties form a range suitable for remedial works or new build installations. Ties are available for use in timber frame buildings and suitable for cavity sizes up to 125mm. Also available are ties to fix external masonry to aircrete blocks, interlocking panels or thin joint systems, especially useful in situations of irregular coursing of brickwork to blockwork. Simply drill through the outer leaf and into the inner leaf to a depth of 70mm and clean the hole thoroughly before inserting resin to the inner leaf followed by insertion of the tie. Finally fill clearance hole with resin to secure tie. The range includes fixing tools, grouts and grout guns.



CHANNEL SYSTEMS



Channels systems are designed to tie brickwork to an existing structure or new steelwork construction whilst allowing vertical movement yet providing horizontal restraint.

Channel is available as plain back, holed or slotted back or tanged.

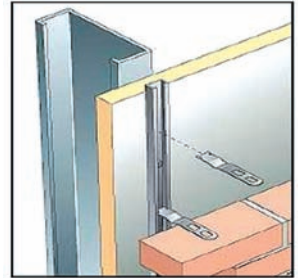
Plain backed, allows for surface fixing by welding to an existing steel.

Holed or slotted back channel, allows for surface fixing to existing masonry, concrete or steelwork with bolts or other suitable fixings.

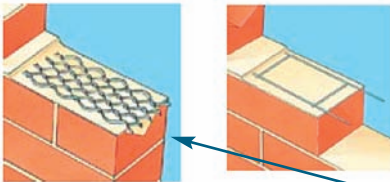
Tanged Back Channel have tangs welded onto the back for casting into concrete. When casting into concrete all channels come with polystyrene infill to prevent the ingress of concrete during pouring. When the shuttering is removed, the polystyrene is extracted and the ties inserted into a clean channel.

All our channels are available in a 3m length for continuous fixing or in 100 or 150mm lengths where coursing in the internal and external masonry leaves differ.

Ties are available to sit within the channel and project out 75, 100, 125, 150, 175, 200, 225, 250, 275 +300mm.



BRICKWORK REINFORCEMENT



Mesh reinforcement is available in 20m coils and widths of 63, 115, 175, 225 and 300mm.

Ladder reinforcement is available in 2.7m lengths and 60, 100 or 175mm widths.

Brickwork mesh reinforcement is supplied in galvanised or stainless steel. Steel mesh reinforcement in brickwork adds tensile strength to the masonry wall it is inserted in. Stainless steel is used in outer wall scenarios whereas galvanised steel is used for inner walls. Mesh is laid with overlaps of 20mm.

Ladder reinforcement is used where an increase in the tensile strength is required and is available in 3.0, 3.5, 4.0, 4.5 and 5.0mm diameter. Ladder is laid with overlaps of 150mm. Speciality widths are available upon request.

CRACK CONTROL HELICOIDAL BARS



Helicoidal Bars are available in 3m lengths in either a 6mm or 8mm overall diameter. They are used for reinforcing bed-joints to enhance lateral loading resistance in new and existing buildings. Helicoidal Bars can also be used to repair many structural defects in existing masonry by using repair strategies like over-pinning with ring beams and general crack stitching repairs. When using as a stitch repair, the helicoidal bar must be inserted 500mm past the outside of the crack, if the crack were to be less than 500mm from a corner or an opening then the bar must be returned round the corner by at least 100mm.



CAVITY CLOSER



Cavity closers are used to eliminate damp and cold bridging around doors, windows and cills by providing an effective DPC and thermal barrier between frame, inner and outer wall leaf. They are available as either polystyrene insulation or as an extruded polystyrene where a reduced thermal conductivity is required or as a fire rated closer where a fire rating of up to one hour is specified.

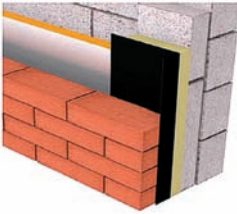
Our cavity closers utilise a rigid profile extrusion which allow all the cavity closer in the range to be used as a first or second fix option.

Cavity closer is available in varying widths to suit most requirements but can also be easily trimmed on site if required. Standard sizes are 50, 65, 75, 85, 90 + 100mm in width and 2400mm in length. Wider sections are available upon request.

Simply establish the cavity width and select the nearest available section size which is equal or larger to ensure the cavity can be fully closed. The compressible nature of the insulation material is used to create a friction fit in the cavity. Joints are achieved by mitre cutting the closer profile to allow the downward cut to run away from the jamb.



INSULATED DPC



Insulated damp is manufactured using either a polyethylene (6 or 10m rolls) or high performance DPC (8m rolls) with insulation adhered. It is used when closing cavities utilising the traditional construction method and has been developed to minimise cold bridging around openings. It is supplied in two overall widths of 165 and 225mm for the dpc and insulation at widths of 100 + 140mm respectively centrally bonded. A 30min fire rated version is also available supplied in lengths of 1300mm (insulation 1200mm).

CAVITY STOP SOCKS & TCB CAVITY BARRIER



Cavity Stop Socks and TCB's have been designed to restrict the spread of smoke and flames within external masonry and timber frame walls, and to further minimise the effect of flanking noise pollution at wall junctions. They are produced from low resin, non combustible rockfibre mineral wool and sleeved in 50 micron polythene for on-site protection.

Available without flanges (CSS) normally used in standard masonry walls or with flanges (TCB) more suitable for timber frame construction.

Can be manufactured to suit cavity widths from 50mm to 300mm and achieves a fire rating of up to 4hours in standard masonry construction and up to 1hour in timber frame construction.

Cavity Stop Socks and TCBs are designed to be compression fitted within the cavity and are easily installed both vertically and horizontally during construction. Care should be taken to ensure butt joints are tightly fitted to maintain fire integrity. The cavity barrier must fully fill the cavity from the inner to outer leaf and any cavity insulation must be cut back. When using for timber frame construction, the flanges are fixed to the frame using clout nails at 150mm centres.

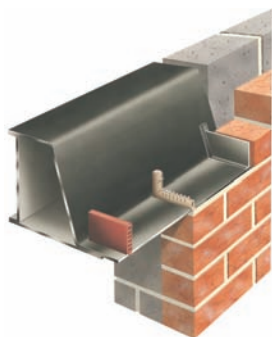


Cavity trays are predominantly used at the abutment of either a pitched, flat or mono pitch roof within a cavity wall and are also used over ring beams, airbricks, cavity liners, ducts, meter boxes etc.

Adjustable Cavity Trays

Adjustable stepped trays are required in pitched roof scenarios, most commonly used to suit roof pitches of 25 degrees and above in standard masonry construction. Trays are manufactured as 225mm long with a 195mm high upstand to suit cavity widths between 50 and 110mm.

Stopend starter or corner starter trays provide the starting point in a pitched roof application with intermediate trays providing the bulk of the trays as masonry rises, finally ridge trays or horizontal trays are applied at the uppermost of the requirement.



Wall weeps are always used at the stopend starter or corner starter positions, but can also be used with the intermediate trays especially where high moisture or porous facing brickwork scenarios are encountered. Where pitches are lower than 25 degrees then longer trays are available with a 420mm long tray suitable for pitches of 17.5-22.5 degrees and trays of 525mm suitable for pitches between 10-15 degrees.

Trays are also manufactured for blockwork and stonework to suit varying wall thickness and roof pitches.

All of our trays can be supplied non-lead or with lead attached, either as a short lead or long lead option usually depending on the roof finish the lead will be dressed onto.

As an alternative we also supply a lead replacement product on our cavity trays with all details available upon request.

Non-lead trays are also available on request with pre-applied polystyrene strips. Polystyrene is much easier to rake out than mortar and offers a visual locator of the cavity tray so aiding the installation of post fitted lead work.

Stepped cavity trays must always be bedded onto fresh mortar, never dry bedded. The brickwork, which is then laid over the cavity trays, must also be bedded onto fresh mortar. The base of the cavity tray should be positioned approximately half way through the mortar joint.

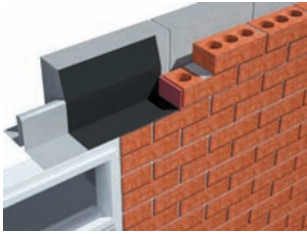
The cavity area must be kept clean and free from mortar droppings and debris. A build-up of mortar within the cavity tray could seriously affect the cavity tray's performance.

Intermediate trays have one closed end and one open end, which results in them being either left or right-handed.

It is very important to ensure that the correct hand is used to suit the direction of the roof slope. The closed end of the intermediate tray must be positioned closest to the roofline, with the open end pointing away from the roof. The corner of the closed end of the tray should be positioned on the guideline, 75mm above the finished roofline.

Horizontal Cavity Trays

Flat or mono pitch roofs are catered for with horizontal trays. Horizontal trays can be used in new build or as refurbishment applications where no tray has previously been inserted.



Inter-loc cavity trays are designed to fit cavities of between 50-125mm. They are suitable for brick, block and stonework construction (cutting of masonry may be required).

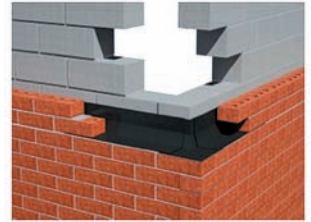
Inter-loc trays are manufactured to standard brickwork bonding lengths either as a four brick length or two brick lengths and are designed to join together using the lapped interlocking joint. Weep holes are used as one per tray.

System 2000 range is an alternative to the interloc and allows for trays to join together by means of a lapped joint that is sealed with butyl mastic tape, Surfaces must be clean and dry otherwise a good seal will not be formed. The system comes with a choice of two lengths, 880mm for general use and 460mm to reduce waste when making up a run of cavity tray. Weep holes are used every 900mm continuous run.

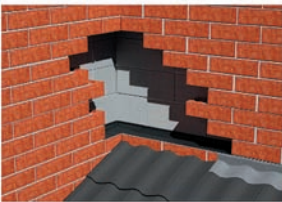
Both ranges above are supplied with a range of accessories, including corner units and stopends. Corner units are available as either an internal or external offering with left and right hand stopends. It is advised to always order stopends for each application to allow for cut trays in the interloc system and as a natural start and finish point for the system 2000 range.

Tip: With pre-formed cavity trays, it is only necessary for the cavity tray to project far enough into the cavity to intercept drips falling from the wall ties, they do not necessarily need to span all the way across the cavity.

Cavity trays can be supplied with either short or long lead, also the trays are available upon request with pre-applied polystyrene strips allowing for ease of raking out and as a locator where lead work is post fitted.



Refurbishment Cavity Trays



Refurbishment cavity trays are primarily designed for use where a horizontal cavity tray is to be inserted into an existing wall.

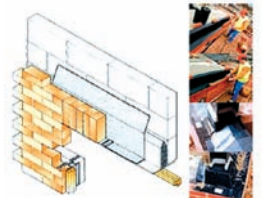
Each tray is 460mm in length but by allowing an overlap of 20mm for joining their effective length is 440mm. Trays can be inserted into a wall without ever having to remove more than three bricks at any one time. Trays should always be ordered with stopends and internal and external corners are available as well.

MCR Multi-crease Roll

A versatile cavity tray utilising continuous creases to enable the tray to be folded to suit a variety of applications, with the added benefit of being self supporting.

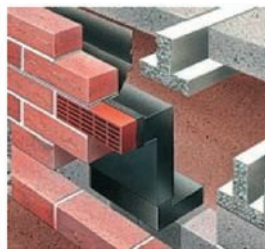
Can be used over proprietary lintels and ideal for use at ground level as a continuous cavity tray or in parapet applications. MCR can be folded to form a continuous radon cavity barrier and comes in 25m rolls.

Full range of corners steps and stop ends available.



UNDERFLOOR and THROUGH WALL VENTILATION ●●

Telescopic underfloor ventilators are used to provide a free airflow below suspended ground floors. 1500mm² per m run of wall is required and this can be achieved by spacing vents at no more than 2m centres with vents not more than 450mm from the ends of the wall. Ventilators should be positioned down two opposite sides of a building so as to provide a cross flow ventilation and help to prevent stagnant air pockets.



Underfloor vents should always be used in conjunction with an airbrick which is available in a range of colours, black, brown, buff, clear, grey, terracotta and white. Each underfloor vent is adjustable in height to suit 3-5 brick courses. Vertical extension sleeves enable an additional two brick courses each and can be joined together to increase the number of brick courses covered.

Horizontal extension sleeves are also available to increase the projection of either the front or rear of the telescopic adaptor to cater for different wall constructions. If airflow is required further into the fabric of the building usually via a 110mm diameter pipe then a duct adaptor is available with a 110mm dia to connect via a coupling connection to the pipe and to the rear of the telescopic adaptor.

Cavity sleeves are used where no height change is required to provide airflow to a building interior. Cavity sleeves should always be used above DPC level and it is recommended that a horizontal tray should be used above the product to prevent rainwater from tracking across the top of the sleeve.



CAVITY AIRBRICKS ●●

Clay airbricks are used either below a DPC for allowing airflow to a suspended timber floor or above DPC to enable extra airflow in a room. Our clay airbricks are available as a 9x3, 9x6 or 9x9 section with square holes in red terracotta and can be supplied with cavity wall bridging ducts in the same section to provide a continuous flow through a cavity wall.

AERO CORE ANTI-DRAUGHT VENTILATORS ●●

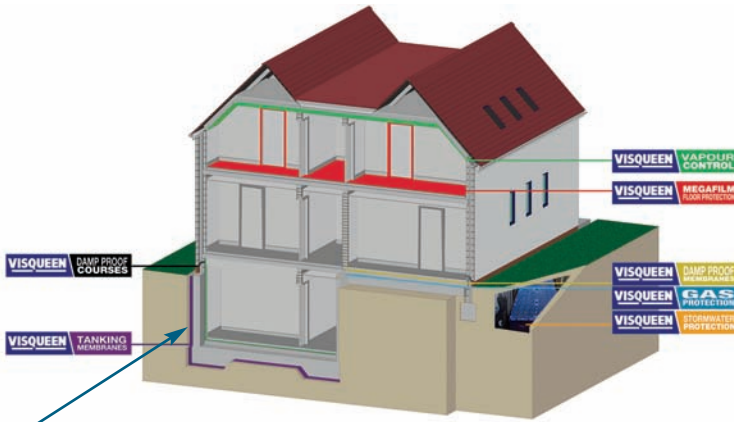
Combination anti-draught ventilator sets with excellent airflow properties to provide ventilation for heat producing appliances or background room ventilation (without hit & miss). Offers reduction of draughts and light compared to basic through wall ventilation and is aesthetically pleasing and a simple to install modular systems that are ideal for refurbishment, remedial work and new build projects. Cowl or grille (external) versions available with or without baffle in terracotta or brown and are supplied with internal white plastic louvre grille.



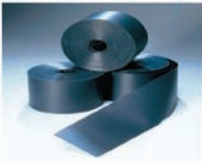
DAMP PROOF MATERIALS



We are recognised as one of a select number of Visqueen Damp Protection Centres in the UK and as such are able to offer the full range of Visqueen Building Products.



DPCs



Polyethylene damp proof course is designed to prevent the passage of moisture in brick and block from external sources, it is manufactured from high quality reprocessed materials to provide a cost effective and durable domestic grade DPC. Polyethylene DPC is suitable for use in wet bedded vertical and horizontal applications throughout two storey domestic constructions and includes a pronounced emboss to improve mortar adhesion.

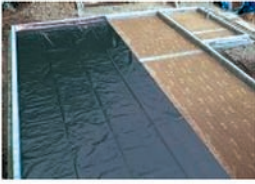
Visqueen Zedex CPT High Performance (DPC) is manufactured from co-polymer thermoplastic (CPT) providing all the characteristics necessary for it to perform effectively for the lifetime of the building in which it is incorporated. Zedex has excellent performance under high compressive loads and has low permeability to Radon and Carbon Dioxide gases. High tear and puncture resistant characteristics help avoid the failures caused by damage during installation such as clearing mortar droppings out of the cavity.



Visqueen Zedex High Bond DPC is a high performance heavy duty damp proof course suitable for general cavity tray applications including parapet walls, beneath copings and cappings, in gas resistant DPC applications and complex detailing work at ground level. Visqueen Zedex High Bond DPC can be torch bonded to masonry units and all laps are homogeneously sealed during the torch bonding process. In addition High Bond DPC has low permeability to methane gas.

Visqueen Gas Resistant (GR) Damp Proof Course is a flexible polyethylene DPC with an aluminium foil designed to prevent the transmission of carbon dioxide, radon, methane and low level hydrocarbon vapours. This is in addition to the product's usage as a damp proof course. Resistance to harmful gases is achieved by an integral aluminium film.





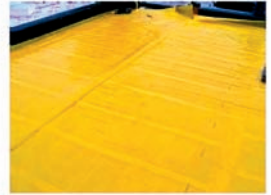
Damp Proof Membrane (DPM) is manufactured from high quality reprocessed low density polyethylene and is used to prevent the capillary rise of water or water vapour from passing through the foundations into a building though not where it is subject to hydrostatic pressure. DPM is available in three standard thicknesses, 250µm (1000gauge) in a 4x25m roll, 300µm (1200gauge) in a 4x25m roll and 500µm (2000gauge) in a 4x12.5m roll.

Ground Gas Protection

The main methods of protecting buildings from gas ingress are the provision of a robust floor slab and gas resistant barrier across the floor slab combined with an underfloor passive venting system.

The impermeable gas membrane provides a barrier to gas ingress and should be continuous beneath the full ground floor plan of the building. The membrane used will differ as to which gas needs preventing and can be advised at point of enquiry, the main gases are methane, radon, carbon dioxide and hydrocarbon gases.

Both the standard DPM and gas membrane may require jointing to other sheets, jointing to a DPC, a top hat or a cloak. In which case there is a range of accessories to enable this. We supply double sided tape as 50mm x 10m or 100mm x 15m and single sided tape as foil jointing tape 75mm x 50m or a GR lap tape 150mm x 10m. Accessories also include pipe sleeves (top hats) and corner cloaks.



Tips for lapping and jointing

- Ensure that all surfaces to be jointed are dry, clean, and free from grease, mortar droppings, etc.
- Do not joint membranes and DPC/cavity trays in temperatures below 5°C. In temperatures between 5 and 10°C, some warming with a hot air gun may be required.
- Use a roller to exert maximum pressure when joining sheets with Visqueen DPM Double Sided Jointing Tape.
- If the membrane is below a steel reinforced concrete slab, cover with a screed or Visqueen Heavy Duty Protection Board prior to the positioning of the reinforcement.
- If the membrane is above the slab, delay installing the membrane until just before laying the screed or flooring topping (or thermal insulation where above the slab) to avoid damage from site traffic.
- Ensure that any screed laid directly on the membrane is at least 50mm thick.

Remove loose debris from the surface of the floor slab and unroll the first sheet of membrane. The surface of the slab should be smooth and free from projections or indentations – if very rough, apply a sand blinding. Remove the protective paper from one side of the appropriate jointing tape and apply it to the first sheet, starting about 50mm from the edge. Ensure that all surfaces are dry for maximum adhesion. Unroll the second sheet along the joint, overlapping the first by at least 150mm. Press firmly onto the double sided tape, gradually removing the protective paper. Seal the edge of the overlap with appropriate sealing tape.

TANKING MEMBRANES



Tanking membranes are used to ensure a structure achieves a water protective envelope by providing a continuous sealed membrane across the footprint of a building and vertically up the external masonry.



TorchOn Tanking Membrane is a heavy duty waterproofing membrane for above & below ground applications, in both vertical and horizontal situations. TorchOn prevents the ingress of water and is ideal for use in cold weather conditions due to the hot bonding (torch bonding) installation process. The use of hot bonding in cold and subzero temperatures provides a homogeneously sealed junction, which can otherwise be difficult to achieve in cold weather.



Self Adhesive Membrane is also used as a tanking or damp proof membrane for both horizontal and vertical applications with the added benefit of no hot bonding equipment required. Self Adhesive Membrane is a tough, high performance, high density polyethylene membrane which provides resistance to puncture and tearing. Recommended to use with a tanking primer to obtain best adhesion.

Vapour Barrier

Vapour Barrier is used to omit the risk of interstitial condensation within a structure as well as improving the general airtightness of the building. A vapour barrier restricts the passage of warm, moist air from within the building from permeating into the structure or the roof. It is commonly used within timber frame housing as well as commercial buildings. Roll size 2x50m.



Temporary Protection Sheeting TPS

ECO TPS range is a blown film of extruded low-density polyethylene manufactured from 100% Recycled LDPE. TPS is available in rolls of 4x25m and can be used for a wide variety of applications. ECO TPS plays an important part in diverting waste from landfill and has a carbon footprint 35% lower than protective sheeting made from virgin materials.



Fixing Strips and Masonry/Insulation Fixing Pins

A semi-flexible black plastic strip, 2m long and 30mm wide. The strip is pre-drilled at approx 150mm centres (14 holes per strip). For securing surface (face) fixed DPC cavity trays to the inner leaf of cavity wall. Fixing strips are fixed using a masonry fixing pin (boxes of 50) for applications involving blockwork or cast concrete, they are fixed using an insulation fixing pin (bags of 1000) if the application involves fixing to a rigid urethane foam facing insulation.



CAVITY WALL INSULATION

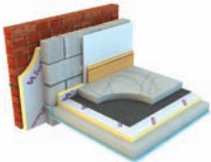


We supply a glass mineral cavity wall slab suitable for external cavity walls either as a full fill or partial fill application, available as 50, 65, 75, 85, 100, 125 + 150mm thick. It is supplied in batts 455mm wide designed to fit in between standard wall tie spacing. Insulation retaining discs are used to hold insulation against outer face of inner wall. Slabs will knit together to avoid any unnecessary air gaps.

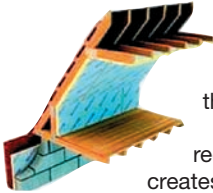
Rigid polyisocyanurate (PIR) insulation boards are suitable for new build applications and used as partial fill wall insulation. They are able to provide a high level of thermal performance for thinner wall constructions and will not breakdown or sag in the cavity. Cavity wall boards are 1200mm long and 450mm wide in thicknesses of 25-200mm.



Pitched Roof and Floor Insulation



PIR board is also available in 1200x2400mm boards and is suitable for use in the construction of solid concrete floors both above and below the slab, block and beam floors, suspended timber floors and for use with underfloor heating systems to improve the thermal performance of the floor.



PIR rigid insulation boards will easily and quickly achieve required thermal standards in pitched roofs without the need to alter the thickness of construction as it requires approximately half the thickness of traditional forms of insulation to meet the same level of performance. Equally, the risk of deterioration to the structure is reduced as condensation is minimised. Roofs insulated at rafter level creates a warm roof so no pipe or tank lagging required.

Loft Insulation

Our loft insulation is a glass mineral wool roll supplied in 100-200mm thicknesses. Each roll is pre-perforated to 3x386mm and 2x580mm widths to fit between common joist spacing. Loft insulation provides thermal insulation for cold roof constructions in both new-build and renovation projects. Rolls are installed in two layers, the first layer between the joists and the second layer cross laid over the joists.

100 mm Roll size: 9.17 m x 1160 mm. 150 mm Roll size: 6.03 m x 1160 mm. 170 mm Roll size: 5.39 m x 1160 mm. 200 mm Roll size: 3.88 m x 1160 mm.



Insulated Plasterboard

Insulated plasterboard is suitable for internal wall insulation for solid, cavity or timber frame walls within new and existing properties. The 2 in 1 board insulates and dry lines walls in one application and is ideal for refurbishing existing buildings to a higher thermal performance.

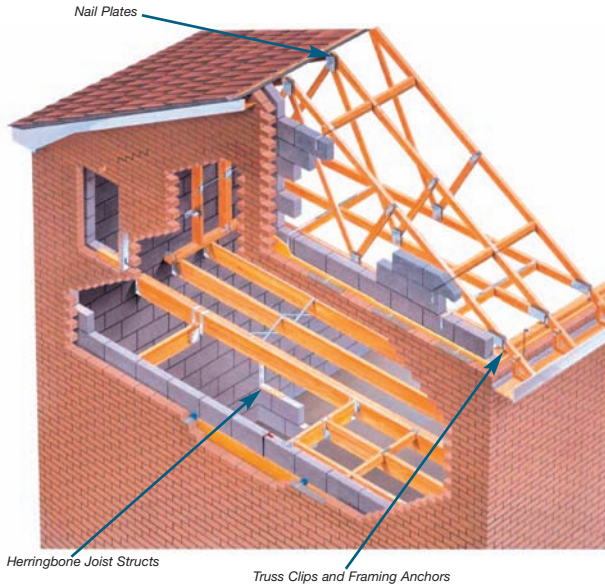
Insulated plasterboard comprises a fibre free rigid polyisocyanurate (PIR) insulation core bonded to 12.5mm tapered edge gypsum plasterboard using proprietary gypsum adhesive. Insulation thickness: 25 - 100 mm.



Builders metalwork comprises all the metalwork required internally within a structure for initially fixing and then further restraining any or all structural timber components needed for construction.

Nail plates

Nail plates are used to connect timber joists by using flat perforated steel plates nailed through both sides of the joint using square twist nails. Though designed for this purpose their versatility allow them to be used for various other applications including window board fixing. They are available from stock as 76x203, 76x152, 152x51 and 100x50 and as angle 100x100x76.



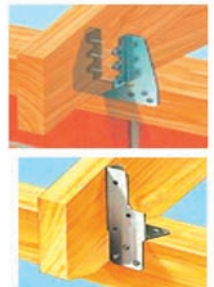
Herringbone Joist Struts

Herringbone joist struts provide stability to floor joists through lateral restraint. They are suitable for timber widths of between 38 and 63mm and depths of between 150 and 225mm. They are available in three different sizes to suit joist centres of 400, 450 and 600 centres and it is recommended they are fixed in mid span for joist lengths of between 2.5 and 4.5m, and at $\frac{1}{3}$ span positions for longer joist lengths.

Truss Clips and Framing Anchors

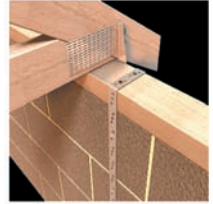
Truss clips are used to secure trussed rafters to the wall plate. Their use eliminates the disadvantages of skew nailing trussed rafters to timber wall plates damaged connector plates, split rafters or wall plates. Available in 38 and 50mm.

Framing anchors offer an effective and economical method of providing strong, mechanical joints for framing of timbers. Framing anchors can be used for connecting rafters 75 and 100mm wide to wall plates.



RESTRAINT STRAPS

Restraint straps can be used both for lateral restraint as a 27.5x5mm section or as a vertical restraint as a 27.5x2.5mm section. They are most commonly manufactured from pre-galvanised steel strips with zinc coated edges, but are also available in stainless steel if required.



Lateral restraint straps are referred to as heavy duty and are designed to provide a horizontal restraint to joist and rafter timbers preventing spread. The straps may be laid notched into joists running parallel with the wall with the spaces between joists and wall packed or along the side of a joist running perpendicular to a masonry wall.

We stock our heavy duty straps in overall lengths of 1000, 1200, 1500 and 1600mm, all either as a straight length, bent at 100 or bent at 150mm. 1000mm straps are also stocked incorporating a twist 100mm from the end. In addition to these sizes we stock straps at 3600mm in length which gives us the ability to cut down to any required specific size and bend or twist as required from our own premises.

Vertical restraint straps are referred to as light duty and are designed to provide a restraint against wind pressure and uplift forces primarily for wall plates but cater for many situations. We stock our light duty straps in overall lengths of 1000 + 1200mm as either a straight length or bent @ 100mm. We also stock light duty straps in 3000mm lengths which we can cut and bend to specific requirements. Both heavy and light duty straps are multi holed with 6mm holes evenly spaced along their lengths.

TIMBER TO TIMBER CONNECTIONS



Trimming joists together can be achieved using a range of light to medium joist hangers to provide a quick and safe efficient method.

Mini Hangers provide a compact solution for supporting joists up to a maximum joist depth of 100mm and for timber widths of 38mm-50mm.



Short leg hangers are suitable for medium duty applications and joists up to 175mm and widths of 38-50mm

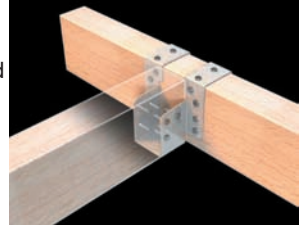
Standard leg hangers are suitable for medium duty applications and joists up to 225mm. Widths are available as 38, 44, 47, 50, 63, 75, 89, 100, 125 + 150mm.



Long Leg hangers offer an extended leg version of the standard hanger again suitable for medium duty applications and joists up to 225mm. Long leg hangers can be used in loft conversions suitable for underslung joists (maximum 100mm drop).

Fixing is recommended with 3.75x30mm square twisted nails using all available nail holes where available to achieve full loading on the hangers.

The face fix joist hanger is a heavy duty hanger for connecting joists to timber, masonry, concrete etc. Face fix hangers allow for multiple fixing options, square twist nails, coach screws, bolts and masonry anchors. With each fixing application maximum permissible safe working loads will be achieved if all available fixing holes are used.



Face fix hangers are specified by their overall length, to decide which hanger is required simply take the depth of the timber for example 225mm then double it and add the width of the timber for instance 38mm. Therefore in our example we would have $(225 \times 2) + 38 = 488$. We would then select the face fix hanger closest but less than our example figure. Standard face fix hanger ranges are 240, 335, 380, 440, 500 + 620. So from our example we would choose the 440 range as we know the hanger will not protrude above the height of the joist.

Masonry Joist Hangers



Masonry joist hangers are single piece timber to masonry hangers incorporating wider masonry flanges to increase the load bearing capacity of the masonry wall. Installation advice: The back face of the hanger must be flush against the masonry wall.

The timber joist should be square cut and butting to the back face of the hanger (maximum permitted gap of 6mm).

For all standard masonry hangers a minimum height of 675mm of set masonry must be in position above the supporting flange before any load is applied.

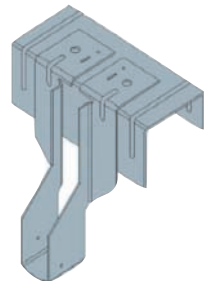
The joists are secured to the hangers using square twist nails through the side gusset and the nail holes are non coaxial.

A recommendation is to notch the base of the joist to allow for a level surface for plaster boarding purposes.

Restraint straps are used in conjunction with masonry hangers to provide lateral restraints.

Rapid Build Joist Hangers

Rapid build joist hangers have been specially designed to offer a superior level of performance to traditional joist hangers, giving a guaranteed qualified safe working load without the need for masonry above. Advantages: Speeds up the build process by providing a safe working platform without waiting for masonry to cure. A return flange design is available, this ensures the hanger face tightly abuts masonry and ensures correct installation.



ANGLE BRACKETS & ANGLE PLATES

Angle brackets are designed for multi-purpose fixing applications and can be used as replacement cleats, nailed or bolted. Angle brackets can be fixed using square twisted nails, bolts or coach screws utilising the various holes and slots located on the brackets.

Stocked Sizes

HD150x150x63, HD150x90x63, HD90x90x63, AB50x50x35, AB60x40x60



Angle plates are used as a safe and economical method of connecting joints to purlins, they work in a minimum of one working pair though using two working pairs increases the safe working load from 3.5kN to 7.5kN. It is recommended to use all available fixing holes and allow the timber to project 50mm above the brackets.

Standard size is 300x30x30mm.

Splice Plates

Splice plates are suitable for butt jointing timbers for instance where an old rotted joist has had to be removed or where fire damage has occurred and is needed to be replaced with new. They are available as three different sizes to suit timber depths of up to 150mm, up to 200mm and up to 250mm. Splice plates work by enveloping the butt ends using all four plates and using all available nail holes.



Multi Purpose Fixing Band



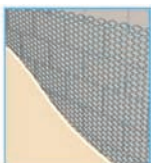
Fixing band as the name suggests is a multi purpose solution for all types of light duty applications. It is stocked as a galvanised 10m coil, 20mm wide and 0.9mm thick and can be fixed using nails, screws or bolts. Typical usage includes as a solution for tying down birds mouth fencing. Stainless steel is available upon request.

Gallows Brackets

Gallows Brackets are used to provide a method of supporting otherwise unsupported brickwork. They are manufactured from 50x50x5 angle in a red oxide finish with holes to suit M12 masonry anchors. They come in two different sizes 375mm high x 375mm deep and 490mm high x 375mm deep and are always sold in pairs.



Security Mesh



Security mesh is a cost effective way of securing buildings or internal spaces by sandwiching a layer of steel mesh into the walls and ceilings during construction.

Available in a range of gauges it is suitable for internal walls, ceilings partitions and external brickwork. It can also be provided in galvanised steel where damp conditions are expected.

GALVANISED & STAINLESS STEEL PLASTERING BEADS

The use of plastering beads is instrumental in the creation of sharp corner joints and stop ends and provides protection and reinforcement to vulnerable plaster edges.

Installation advice:

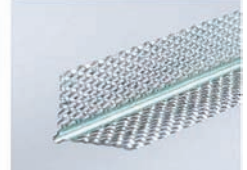
Beads can be cut to size using tin snips or shears. Beads can be fixed using suitable mechanical fixings or using plaster/render dabs at 600mm centres.

If joining angle beads together, insert a dowel into the end of first bead and add the second on top to provide a continuous join with correct alignment.

Perforated Thin Coat Bead is used to reinforce and protect one-coat finish of plaster on corners and reveals at its weakest points on internal walls and plasterboard, size 22x22mm, available in 2400mm and 3000mm lengths.



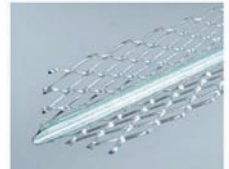
Mini Mesh Bead is used to reinforce and protect one-coat finish of plaster on corners at its weakest point on internal walls and plasterboard. The mini mesh bead has a greater area of expanded metal therefore gives a better mechanical key, available in 2400mm and 3000mm lengths.



Drywall Arch Stop Bead is used to provide a precise straight clean finish and also reinforce one-coat plaster on its edge. Can also be used for slight curves in plaster finish because of its slightly malleable condition, available in 2400mm and 3000mm lengths.

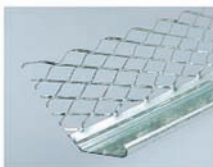
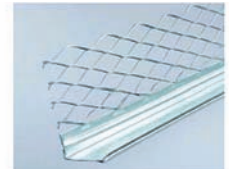
Angle Bead is used to provide a true, straight corner which protects and reinforces a 2 or 3 coat plaster or render application in its most vulnerable area. One size adjusts for thickness, although larger wings are available for unusually thick plaster / render.

Galvanised 43mm wide for internal use at 2400mm or 3000mm lengths or stainless steel 50mm wide for external use at 3000mm lengths.



Plaster Stop Bead is used to provide a precise straight clean finish and also to reinforce 2 or 3 coat plaster or render on its edge. Galvanised Plaster Stop Bead for internal use is available in four sizes for varying thickness of plaster depth - 10, 13, 16 and 19mm and 2400 or 3000mm lengths.

Stainless steel for external use, available as 13mm and 3000mm lengths.



External Render Stop Bead is predominantly used to form a neat bell shaped edge at the bottom of an external render finish, thus protecting the edge and acting as a run-off for when rainfall occurs. Galvanised product to be used in sheltered areas only, stainless steel for all other areas including coastal.

Plaster depth 16 to 20mm, wing dimension 45mm and length 3000mm.

An alternative range of impact resistant drylining and wet plaster beads for internal or external use.

PVC Plaster Beads are designed for use externally where galvanised beads cannot be used or where they are preferred to stainless steel. They are also used internally in high moisture content areas or where pro-longed drying out periods may be necessary.

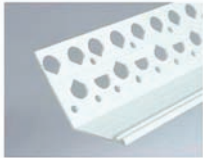
Other benefits include:

- Simple installation (with plaster dabs or stainless steel fixings)
- No sharp edges, and safe to handle;
- Easy to cut (by use of tin snips or fine tooth saw);
- Non corrosive;
- PVC Bead is supplied as standard in white, although many colours are available upon request by supplying us with the relevant 'RAL' reference code.

PVC-U Angle Bead is for use on all plastered and rendered corners, where a true sharp corner is required. It protects the plaster at its most vulnerable point. PVC-U Thin coat angle bead is 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, designed to suit plaster/render depths of 2/3, 6/10, 8/12 and 13/19mm and length 2500mm.



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. Available in depths of 3, 6/8, 8/10, 10/12, 15/17 and 20/22 and length 2500mm.



PVC-U Render Stop Bead is predominantly used to form a neat bell shaped edge at the bottom of an external render finish, thus protecting the edge and acting as a run-off for when rainfall occurs. Render depth 6/12, 10/15 and 12/22 and length 2500mm.

PVC-U Arch Bead is a flexible dry lining bead used for creating decorative plaster curves and arches. Size 2/3mm and length 2500mm.



PVC-U Movement Bead is used to overcome movement tolerances in plaster and render finishes thus minimising cracking in finished coat. It can also be used to act as a stop barrier for when a change in finish is required or type of render finish. Available for depths of 6, 10, 15 and 20mm and length 2500mm.

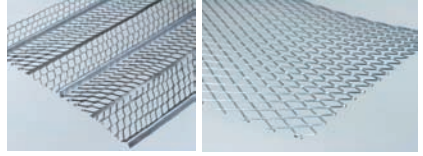


Drywall Plastering Scrim tape is available as 90m x 48mm and is a high strength, 100% fibreglass close weave (9x9) mesh scrim tape with self-adhesive backing.

EXPANDED METAL LATHS



Expanded Metal Lathing is mainly produced as a key for plaster when applied on suspended ceilings and walls. It is also suitable for encasing steel columns and beams, assisting in the protection from fire. Available in sheets of 2500x700 and in galvanised or stainless steel. Riblath, stiffened by its longitudinal ribs, is produced for use on ceilings and partitions



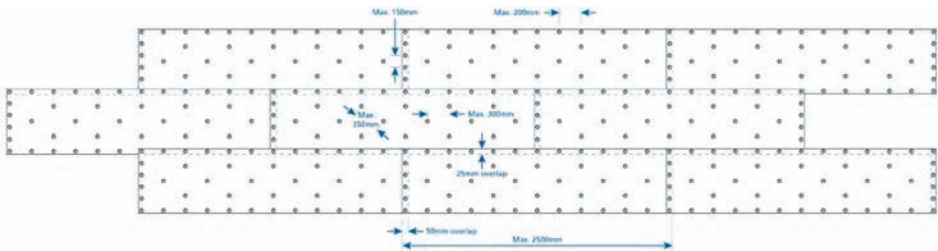
Installation: Fixing of Expanded Metal Lathing Sheets: Fix with the long way of mesh running from support to support, with all strands sloping downwards and inwards from the face of the coating. Always ensure when fixing that allowance is made for overlapping sheets by 50mm lengthways and 25mm widthways.

Timber Support: To connect to timber use 40mm plasterer's nails or staples at 100mm centres. Start at the centre of the sheet and work out towards the edges. Always cut at an angle to allow lath to be pulled tight. Ensure that compatible corrosion resistant fixings are used ie. do not use galvanised fixings with stainless products.

Metal Support: To fix to steel channels, tie with 1.2mm tying wire at 100mm centres. Tie by creating a 'hairpin' shape with the wire, then pull tight and twist. Take care that cut wire ends are not close to plaster surface.

To Solid Background: Expanded Metal Lath can be fixed to a solid background using a suitable fixing with an integral spacer/washer and large diameter headed screw/nail that will keep the sheets firmly in place.

Fixing Expanded Metal Lathing to Solid Backgrounds

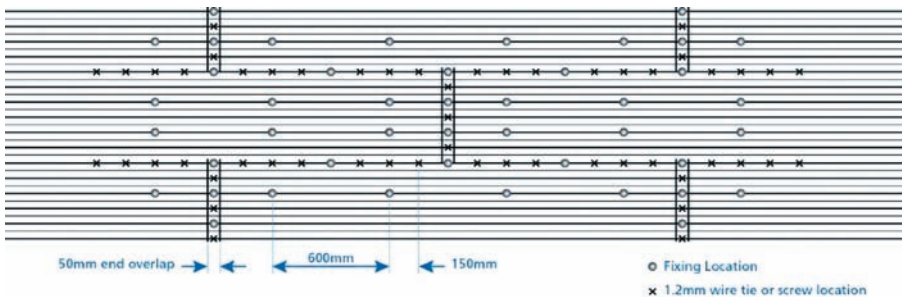


Installation: Fixing of Riblath Sheets: Riblath is fixed so that the tip of the rib is placed against the supporting background. The rib of the sheet should run at right angles to any supports. Ensure that sheets are overlapped by a minimum of 50mm end to end and by 25mm widthways and that the ribs are nestled together.

Timber Support: Riblath is fixed at each rib to timber supports using plasterers' nails or staples. Ensure that compatible corrosion resistant fixings are used, ie. do not use galvanised fixings for stainless steel.

Metal Support: Riblath is fixed at each rib to metal support using 1.63mm galvanised or stainless steel tying wire. When joining riblath sheets overlap the edge ribs and tie the edges with 1.22mm tying wire at 150mm centres.

Solid Background: Riblath can be fixed to a solid background using a suitable fixing which holds the ribs firmly against the background. Where sheets are installed vertically, fixings should be positioned through all ribs at 600mm centres to ensure adequate stability.



UNDERGROUND & ABOVEGROUND DRAINAGE ●●

We are stockists of the Brett Martin plumbing and drainage fittings and of the Speedfit plastic pushfit plumbing systems. We can cater for all drain requirements with 110mm and 160mm solid pipe and fittings. All systems are manufactured in the UK to stringent quality standards providing the installer with a completely reliable product range that will continue to perform. Brett Martin Drain systems feature a combined lip and compression seal which is secure against dislodgement and makes jointing easier.



These systems are suitable for installation in commercial, industrial and residential developments. The range is designed to provide the installer with maximum choice, flexibility, ease of installation and long-term reliability.

We also cater for soil, waste, overflow and water supply. The soil and waste systems incorporate both solvent weld and push-fit assemblies, traps, universal overflows and compression waste. For water supply pipework the range includes pipe coils and a full range of compression fittings.



Our rainwater range features a choice of quality PVCu systems including roundstyle, squarestyle, deepstyle, prostyle and high capacity available in a variety of colours to suit any building application. The rainwater range has been designed to facilitate fast, efficient, economical installation and exceptional reliability which provide the installer and end user with satisfaction, piece of mind and a full comprehensive guarantee.



CASCADE RAINWATER AND SOIL SYSTEM ●●



Cascade is a range of cast iron effect guttering and downpipe profiles which provides authentic traditional cast iron style in plastic. A unique patented manufacturing process combines with authentic cast iron architectural detailing on pipework, fittings and hoppers to give the full appearance of cast iron with all the benefits of modern plastic materials.

In addition to Classic Black, cascade is available in a range of classic colours including Oxford Blue, Olive Green, Graphite Grey, Sandstone and Porcelain White.

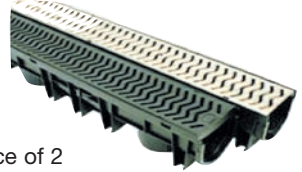
LINEAR DRAINAGE



Channel Drainage systems provide complete and long-term solutions for the collection and dispersal of surface water. They are available in 1m lengths and can be combined with a range of accessories, aiding installation and providing connection into mains drainage.

Storm Drain Plus

Storm Drain Plus is a unique and easy to install surface water channel drainage system for a domestic environment. Storm Drain Plus is manufactured from lightweight polypropylene, with a high impact strength at hot and cold temperatures. Its cross-braced design prevents floating. Flexibility is offered with a choice of 2 grate finishes (black plastic or galvanised steel) and 3 base outlet options.



Storm Drain Plus Accessories:

End Cap - Allows you to securely seal the upstream end of a pipe;

Joining Clip - For the secure connection of two cut channels;

End Outlet - To connect into a 100mm or 110mm pipe;

Sump Unit - Includes a silt basket and integral water trap to prevent odours;

Quad Connector - An easy corner or T-junction connector available in black plastic or galvanised steel.



ACO Hexdrain & Hexdrain Brickslot



ACO HexDrain is a high strength, high quality channel drainage system suitable for a range of domestic drainage applications. It is manufactured using recycled polypropylene; ACO HexDrain has a range of innovative features which makes installing drainage channels easier than ever.

The new range of elegant and modern 'Complete the Look' gratings provide choice and style to complement driveway and patio projects. A choice of 6 gratings are available:

- Wedge Wire Stainless Steel/Antique Iron/Anthracite/Polished Stainless Steel/Galvanised Steel/Black Pastic.



A full range of accessories is available designed to aid simple and fast installation.

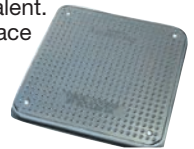
COMPOSITE MANHOLES



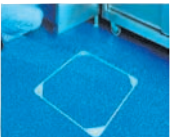
Composite manhole covers are manufactured from reinforced fibre resin and as such the weight of each cover is much lower than standard ductile iron or steel equivalent.

Composite covers have been designed with safety in mind, the non-slip surface design has been designed without creating sharp or dangerous edges.

Composite manhole covers carry weight loadings of between 1.5 and 12.5tonne both with a round top finish or square top, making them suitable for a vast array of uses from pedestrian walkways to carriageways.



Recessed manhole covers are available in two thickness's 60mm and 80mm and in a varying sizes; 300x300, 450x450, 450x600 + 600x600. The offering at 60mm is suitable for internal use as it is supplied with a double seal, it is also childproof and can be locked down to deny access to unauthorised people through the use of brass inserts in the frame allowing the use of locking screws. Both frame sizes are fire resistant and have heel protectors fitted covering the keyhole lifting area for added safety.



LAND DRAINAGE

Perforated land drain pipe can be used either as a collector drain for removing excess water from gardens or fields or as a dispersal drain for returning water to the ground in instances involving septic tanks. It is manufactured as a single wall pipe and is available in coils 100mm diameter x 25m long.

Ducting

Ducting is available in a range of different sizes and colours dependant on whether it is being used for power, telecommunications, water, gas or even general purpose and with each different style there is a range of bends and couplings to suit. Additional extras to the range include associated marker tapes and draw cords.

Twin Wall Pipes and GP Ducting

Twin Wall Pipes give you the advantage of light weight, easy installation and high durability at low cost. Available as standard sizes 150, 225, 300, 375, 450 and 600mm and with a range of fittings including bends, couplings, branches, reducers and sealing rings.

Landscape Fabric

Landscaping fabrics are a clean, durable way to suppress weed growth without depriving the soil of water, air and nutrients. Moisture is retained which reduces the amount of watering required and the ground is also protected from extreme temperatures. They also act as reinforcement to stabilise the ground and separate construction layers. Such qualities make these types of fabrics suitable for landscaping with bark chippings, decorative gravel and organic mulches.



Pushfit Plumbing



We stock the Speedfit plumbing system as it is the easy to use, plastic push-fit system suitable for the plumbing of hot and cold water services and heating applications. The flexible piping system provides the ability to significantly reduce installation time without the need for specialist tools. The fittings can be demounted if required, are lead free, and remove the risk of any scale build up. Extensive tests have shown that Speedfit products will withstand pressures well in excess of normal working conditions.

Why Speedfit?

Truly demountable without damage to pipe or fitting/Grip and seal connection/Superseal Insert gives secondary seal/Reduced pipe insertion force/Lightweight and easy to handle on site/Installation time reduced by up to 40%/Pipe flexibility permits the cabling of pipe through less accessible areas/No risk of fire or flames from a blowtorch/Easier to work in confined places/A permanent leak-proof connection/Corrosion free/No scale build up/Lower thermal diffusivity maintains safer surface temperature/Pipe elasticity can reduce the possibility of bursting under freezing conditions/Lead free and non toxic/Less noise from water flow and expansion or contraction/Long pipe lengths reduce the number of fittings required.



BREATHABLE ROOFING FELT & ROOF VENTILATION



Breathable Membranes

A lightweight breathable roof underlay for cold and warm roof applications which give major benefits over traditional roof underlays.

- BBA certified
- Cold & warm roof application
- 3 layer spun-bonded membrane
- Clean & easy to use
- Lightweight & flexible
- Excellent tensile strength
- Light grey surface prohibits glare
- UV stable for up to 3 months
- Requires no ventilation
- Weight 115 gsm



Roll sizes available:
50m x 1m
50m x 1.5m

Eaves Vent Protector: Available in 1.5m lengths - To be used with all roof pitches between 15 and 70° - At the eaves of a roof to support and protect roofing felt/membrane - For remedial work to replace worn or perished roofing felt/membrane - Suitable for new build and remedial projects.

Roll Form Eaves Vent (6m) An easy to install secondary roof vent system to maintain ventilation between insulation and the roof membrane. Provides an economical and convenient solution to the problem of eaves ventilation and ensures that a ventilation channel at least 25mm deep, is maintained between the insulation and roofing felt.

The product is supplied in convenient 6m rolls and is simply rolled out along the rafters and nailed or stapled into position. The profile is designed to be used with 600mm, 450mm and 400mm rafter spacings - therefore a universal alternative to individual rafter trays.

Over Fascia Vent is used where the fascia board is fitted in the ends of the rafters, so creating a situation where ventilation can only be effected over the top of the board.

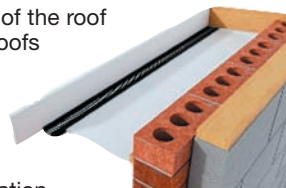
OF1 provides ventilation equivalent to a continuous 10mm opening (10,000mm²) and is used to ventilate pitched roofs of 15°> and the roof void is uninhabited loft or attic space. OF2 provides ventilation equivalent to a continuous 25mm opening (25,000mm²) and is used to ventilate pitched roofs of <15°, flat roofs or any roof where living accommodation is contained within the roof space. Suitable for new build and refurbishment situations. Supplied in 1 metre lengths.



Rafter Trays: The Rafter Tray provides a 25mm deep secondary vent for use with a 10mm primary vent. Made for inserting between standard truss constructions and for use where insulation materials have been taken through and over the wall plate into a cavity wall. Roof pitches of 15°> and where the roof void is uninhabited attic or loft space.

ROOF VENTILATION AND ROOF ACCESSORIES

Soffit Vent Strip: Used to ventilate pitched roofs, where the pitch of the roof is 15degrees or more, and the roof void is attic or loft space. On roofs where the eaves incorporate a soffit board, with soffit boards of between 6mm and 9mm in thickness.



Mainly used in refurbishment, push-in soffit vents (primary roof vents); provide a convenient method of providing ventilation through an existing soffit board. Barbed ridges on the sides of each vent grip the soffit board and hold them securely in place. Each ventilator provides 1600mm² of free airflow and should therefore be positioned at 160mm centres in order to achieve the equivalent of a continuous 10mm opening. Available in white, brown and black.

Expanded stainless steel soffit vent mesh is used over the vents to exclude birds and insects. This mesh is an economical material for the purpose. It is readily adaptable to various eaves details, is light in weight and easy to handle on site. Coils of mesh in convenient dispensers make site work easier and avoid wastage. Each coil is 75mm wide and 30m in length.



Flash Vent is a simple one piece roll-out, easy fit sheet that provides weather-tight ventilation for abutment roof details with a continuous 5mm² of airflow.

Universal Slate Ventilator: Ideal for new build or existing roof applications.

Intended to replace one normal roof slate and suits slate sizes of either 610mm x 305mm or 510mm x 255mm.

Use as supplied for standard large slates or cut along the provided guide lines for smaller slates.

Can be combined with the pipe adapter kit to enable connection of 100mm soil vent pipe and/or mechanical extractor.

The low hood design makes the vent inconspicuous, whilst providing a free vent area of 10,000mm².



Valley Troughs and Joining Strips: As an aid to remedial work where new, or dissimilar tiles or slates are laid up to an existing roof covering.

To form a weatherproof channel at the point where the two types of roof tile or slate meet.

On roofs constructed in concrete or clay tiles or natural or man made slate.

DRY VERGE UNITS



The SmartVerge is a fast-fit Dry Verge System that provides an extremely cost-effective alternative that avoids all of the long-term maintenance problems, and the costs, that are often associated with traditional mortar bedding.

The SmartVerge® Linear Dry Verge System from Manthorpe is designed for use with slates and interlocking plain tiles. It provides an aesthetically pleasing, maintenance-free detail to gable ends.



Lead Replacement Products



Ubiflex is a non-lead waterproof flashing material which can be used in most applications where lead is traditionally used, to provide a weatherproof junction at features such as a change of direction and materials. Ubiflex is available in a range of colours, widths, lengths and accessories for installation. Available in widths 150,200,250,300,400,450,500,600 + 1000mm, with roll lengths of 6 +12m depending on the roll width.

Cromar Flashing Tape

Self adhesive bitumen coated, heavy duty lead look finish for trade use. Sizes available: 50mm x 10m, 75mm x 10m, 100mm x 10m, 150mm x 10m, 225mm x 10m, 300mm x 10m, 450mm x 10m, 600mm x 10m.



Cromapol Waterproofing

Cromapol will waterproof instantly, even while wet, and will not wash off while curing. It is ideal for use in damp conditions. Will withstand ponding and covers in only one coat without the use of a primer. Cromapol Advantages, Great adhesion | Application in damp weather | Instant protection | No wash off | Excellent solar reflectivity | Reinforced membrane.

Application in one coat | Seamless | Fully flexible | Unaffected by temperature | Economical.



Hip Irons

Designed to provide decorative restraint when bedding hip tiles. Manufactured from galvanised steel. Dimensions: 300mm long, 25mm wide, 3mm thick and 150mm high.

KEYLITE ROOF WINDOWS

Keylite Roof Windows have been innovatively designed to provide as much natural light as possible to enter a structure without compromising on heat loss or aesthetics. Each window is loaded with key features including:

Flick fit brackets:- Pre-fitted Flick-Fit brackets are easy to use and make fitting window faster from the box to the roof.

Integrated Thermal Collar:- Removing the release tape will allow the unique thermal collar to expand, filling the gap between the window frame and the roof. Helping to reduce the cold bridging effect.

Ventilation Handle:- A slimline ventilation handle incorporating a contemporary style that allows for trickle ventilation even with the window fully closed and securely locked.

Maintenance Free Hinge:- The hinge is the only operational part of the window which moves, the maintenance of this product has been eliminated with new design.

Sash Hinge Finger Springs:- The sash hinge finger spring allows the sash to be installed back into the frame in one smooth, effortless motion.

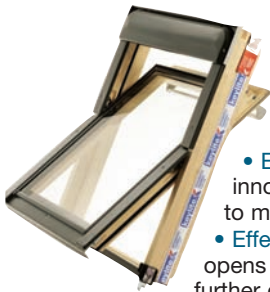
Click Fit Hood & Cover Flashings:- Click the hood under the clips and secure, the cover flashings now need 50% fewer screws than before.

Low Profile Hood:- The recessed fit is achieved with standard flashings which, together with the new hood design, create a low profile.

Warm Edge Glazing:- All glazing is upgraded as standard to warm edge which adds protection against condensation.



ROOF WINDOW BENEFITS



- **Easy Cleaning:-** The window rotates through 180° and locks in place, allowing easy access to the outer surface of the glass which can be cleaned from inside the room.
- **Thermal Performance:-** Only Keylite roof windows have an Integrated Thermal Collar, Warm Edge Glazing and a Recessed Fit as standard, leading to enhanced thermal performance.
- **Easy Maintenance:-** Due to the quality of the lacquered finish and an innovative maintenance free hinge, Keylite windows are extremely easy to maintain.
- **Effective Ventilation:-** An initial short pull downwards on the handle opens the ventilation flap while the window is still securely closed; a further gentle pull opens the window.

Keylite roof windows are available as standard in 12 different sizes as:

CP01 550x780, CP02 550x980, CP01C 550x1180, CP03 660x1180, CP04 780x980, CP05 780x1180, CP06 780x1400, CP07F 940x1400, CP07 940x1600, CP08 1140x1180, CP09 1340x980 + CP10 1340x1400. Other non-standard sizes are available upon request. The full range includes centre pivot, top hung or fire escape as standard offering and then the same range as a conservation offering. Flashings are available to suit all the window styles and are matched to the roof finish by allowing for a standard tile, deep tile, plain tile or slate flashing.

Installation tips:

40mm allowance must be given for the roof window opening (leaving a 20mm gap between window frame and batten). This allows for alignment and for the integrated thermal collar which fills the gap between the window frame and the roof.

LOFT LADDER DOOR & FRAME



Keylite loft ladders are designed to ensure simple, fast installation. With pre-installed flick-fit brackets, allowing installation from below the loft, and with a unique detachable ladder that enables one-person installation, the Keylite Loft Ladder is designed to make your life easier.

FEATURES

Continuous seal around trap door of the loft ladder reduces heat loss. A white 32mm thick insulated trap door, Keylite's loft ladders have dovetail joints for added durability, slip resistant treads, pre-fitted handrail on loft ladders trap door as standard, trap door fully recessed

into frame flush with ceiling, loft ladder is fully assembled and easy to install and all loft ladders have the U-value 1.1w/m2k* and a recessed locking mechanism.

Loft ladders are available in a range of differing opening sizes with a choice of ladder height of either 2800mm or 3200mm.

KYL01 550x1000 (2800mm), KYL02 550x1200 (2800mm), KYL03 550x1200 (3200mm), KYL04 600x1000 (2800mm), KYL05 600x1200 (2800mm), KYL06 600x1200 (3200mm), KYL07 700x1000 (2800mm), KYL08 700x1200 (2800mm) + KYL09 700x1200 (3200mm).

Loft Access Doors and Access Panels

Loft access doors' primary function is to provide simple, easy access through a ceiling and into a roof void. They are available in both a plastic and a metal finish and different sizes with both hinged operations or as a drop in door. We supply doors from Timloc, Glidevale and Manthorpe which gives us a large range to suit any requirement. Plastic doors are made in specific sizes whereas metal doors can be manufactured to a variety of sizes and are available as a fire rated option.



Timloc Loft Doors:- Timloc offer two standard plastic loft doors as their P1168 push up door and P1169 drop down door, both to suit trimming size of 562x662, and two standard fire rated doors as their P1161, trimming size of 542x630, and their P1160 with a trimming size of 542x745mm. The P1169 is available with extra insulation for increased U-value.

Glidevale Loft Doors:- Glidevale offer an LA1 Push up trap and an LA2 Hinge down trap both with trimming size 717x555, and also offer an LA5 push up half hour fire rated loft access with Class O surface spread of flame with trimming size 560x560 and an LA6 1hr fire rated hinge down trap with trimming size 705x542mm.

Manthorpe Loft Doors:- Manthorpe offer a GL250 drop down loft door with optional enhanced U-values, a GL251 lockable drop down loft door and GL250-03 drop-down/liftout access door all with trimming size 562x726mm, also the GL260+261, both with trimming size 562x562 and also fire rated options for trimming sizes above.



Access Panels:- Access panels are a cost effective yet reliable and simple method for providing access to services and connections behind dry lined walls, ducts, ceilings and cupboard units. As they are purpose made they are able to save time and money compared with on site productions and offer an excellent aesthetic appearance with a textured finish which allows painting if required. Standard sizes in a standard plastic finish include 100x150, 140x220, 190x190, 455x455.

Access doors are available as a clip fit or hinged and can be manufactured to bespoke sizes in a metal non-fire or 1hr fire rated finish.

SEALANTS, ADHESIVES & BUILDING CHEMICALS

To enable a full offering we are able to supply the Geocel; Dow Corning and Trade Mate, Everbuild and Bond-it product ranges. This enables us to supply a comprehensive selection of chemical products used in the building industry, such as:

TOP GUN Multi Purpose Silicone Sealant

Description: Provides excellent adhesion, a watertight seal and remains permanently flexible. TOP GUN Multi Purpose Silicone Sealant is safe and easy to apply, prevents mould growth and gives an excellent finish.

Benefits: Waterproof and Durable, Mould Resistant, Permanently Flexible, For Interior & Exterior Use. Available in white, brown, black and clear.



Dow Great Stuff Pro Gun Foam Filler Gun Applied Polyurethane Foam

Description: A one component, moisture curing, polyurethane foam. It seals, fills, bonds and insulates most construction materials and cures to form a tough, resilient and long lasting semi rigid cellular structure.

Main Uses: Suitable for use as an aid to mechanical fixing and gap filling around door and window frames.

Benefits: Ready to use, fast curing, high performance, one component material. Self moulding to surface irregularities.

For internal and external applications.

Gives effective insulation against damp and draught and is completely water resistant.

Additional: Pack Size -750ml 'e' can for use with applicator gun, 750ml 'e' Straw applied can.

Dow INSTA-STIK MP

Description: INSTA-STIK MP (Multipurpose) adhesive is fast curing and low expansion.

Main Uses: Quick and easy to use it is ideal for fixing plasterboard, insulation board and most common building substrates.

Benefits: 3 – 5 minute cure time, NO need for heavy bags of dry wall adhesive, will go further than a 25kg bag, NO Mixing, water or electricity needed, NO preparation time, NO waste or mess, INSTA-STIK MP can be reused, NO need to wait, can plaster 1 hour after application, NO visible fasteners, B2 fire rated.

Additional: Pack Size -750ml 'e' can for use with applicator gun, 750ml 'e' Straw applied can.

Geochem Water Resistant Wood Adhesive

Description: Geochem Water Resistant Wood Adhesive is a high quality resin based wood adhesive suitable for all general uses in woodworking and joinery applications.

Main Uses: It can be used internally and externally and provides a high strength, impact resistant bond that is usually stronger than wood itself. Geochem Water Resistant Wood Adhesive is ideal for all wood to wood bonding, such as window frames, door frames, furniture assembly, DIY and household use. It dries to a clear finish that can be sanded, painted or stained. Full bond strength will be achieved in 24 hours.

Benefits: For internal and external use, High strength wood to wood bonding, Suitable for most woods, Dries clear - easy clean up, Quick drying.

Geocel QUICKGRIP Multipurpose Gap Filling Adhesive

Description: Geocel QuickGrip is a multi-purpose gap filling adhesive which is suitable for bonding most porous and non-porous surfaces. It has instant grab and cures to form a high strength bond.

Main Uses: Ideal for fixing plasterboard or timber panels, skirting boards, carpet gripper strips, dado rails, general DIY and repairs.

Benefits: Instant grab, Multi-purpose gap filling qualities, Excellent adhesion to most porous and non-porous substrates, Cures to form a high strength bond, Coverage rate of 12 metres of 6mm diameter bead.

Geochem Easy Mix

Description: Geochem Easy Mix is a super concentrated mortar plasticiser packed in a unique 1 Litre bottle.

Main Uses: It will plasticise 100 x 25kg of cement (depending on coarseness of sand). 1 Litre of Geochem Easy Mix is equivalent to 25 Litres of conventional plasticiser.

Benefits: Improves workability of mortar and concrete mixes, Minimises cracking and crazing, Reduces water content of mortar, Enables accurate dosing, Easy to use - no waste, Super concentrated formula and integral measure allows easy one handed application, Controllable measure, Perfect mix everytime, Saves time.



Geochem 3 in 1 Admixture

Description: Geochem 3 in 1 Admixture acts as a waterproofer, retarder and plasticiser. It reduces water penetration, slows setting time allowing large areas to be covered in one application and improves workability. It improves durability by entraining a limited quantity of air into the mix to impart freeze thaw stability.

Main Uses: Geochem 3 in 1 Admixture is ideal for use in renders, pebble dashing, rough cast and harling finishes, and general waterproofing groundwork.

Benefits: Protects against rain and damp, Slows setting time - ideal for large areas, Improves workability, Salt inhibitor.

Geochem Universal PVA Adhesive and Sealer

Description: An adhesive and sealer suitable for a multitude of priming, sealing and bonding applications in the construction industry and for general purpose around the factory and office. It is non toxic, safe and easy to use and can be diluted with water or used neat according to the application.

Main Uses: Ideal as a multi surface primer and dustproofer prior to repairs or finishing. It seals concrete, plaster and mortar surfaces and can also be used as an additive to cement and plaster to increase the strength and adhesion properties.

Benefits: Can use diluted or neat according to the application, Easy to apply using either a brush or roller, Touch dry in 30 minutes, Maximum strength realised in 24 hours.

Geochem Integral Waterproofer

Description: A liquid additive that provides long term water protection to mortar, concrete and rendering. It improves workability and strength, and will not corrode reinforcing metals.

Main Uses: Geochem Integral Waterproofer is suitable for all applications where resistance to water damage is necessary, including external rendering and pointing, roof areas, structures below ground level, and pool and tank linings.

Benefits: Waterproofing plasticiser for mortar, concrete and rendering, Dramatically reduces water penetration, Protects against erosion from water ingress, Salt inhibitor, Eliminates suction.

Acid Brick Cleaner

Description: A hydrochloric acid based cleaner. *Main Uses:* Removes cement and mortar splashes along with grease and grime from bricks, tiles, concrete and patios and more.

Benefits: For use on brick, stone and concrete, Hydrochloric acid based.

Geochem Powder Cement Colour

Description: Produces a permanent colour in concrete, mortars, floors and renders for bricklaying or pointing and roof tiling to verges and ridges. It is also ideal for paths, paved areas, fence posts, garden ornaments, and more.

Benefits: The pigments disperse easily into the mix to give a uniform shade for easy mix batch.

Available Colours: Black, Brown, Buff, Red.

FIXINGS AND FASTENERS



Tite-fix is the manufacturer of the screw-tite screw. 'Screw-Tite®' has been extensively developed and utilises the 'Tri-Lock TS' threadform which uniquely and cleverly incorporates the benefits of a single thread and a twin thread on the same screw, thus making it the most technically advanced screw available but more importantly the best performing woodscrew there is. In addition Tite-Fix have manufactured a complimentary range of innovative screws to suit varied applications from tongue and groove flooring to decking.

To compliment our range of quality woodscrews, we are also able to supply a full range of dry wall, coach and concrete screws in a full range of sizes, also nuts, washers, bolts, threaded bar, frame fixings, frame anchors and nail in anchors with all their relevant variants.



Dronco Abrasives

Dronco is the German manufacturer of a range of abrasive, grinding and cutting discs suitable for a range of applications. We stock both the resin bonded discs suitable for metal and stone cutting and grinding and also a standard and a higher performance diamond disc, both styles of disc in sizes 115, 230 and 300mm. In addition we stock a diamond grinding disc suitable for mortar grinding purposes.



The diamonds perform the cutting action of the tool. DRONCO exclusively uses synthetic diamonds. Strict quality controls ensure a consistent level of quality. Synthetic diamonds and natural diamonds exhibit the same degree of hardness. In comparison to their natural counterparts, they offer the advantage of an optimum structure that always remains the same. They use their long experience to adjust the grain size and the crystalline shape of the diamond to the optimum parameters for the respective field of application in order to achieve optimum cutting ability and tool life.

Brushes and Shovels & Wheelbarrows

We stock and supply a choice of three contractors wheelbarrows; black(85l), green(90l) and galvanised(120l) wheelbarrows alongside a range of shovels; tapered and square edged and brushes; 12" and 24" hard and soft brooms and a 13" yard brush. In addition we stock a range of hand tools including saws, hammers and a range of bricking and plastering trowels.

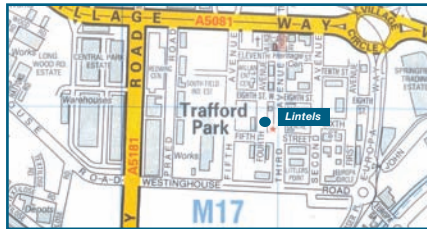


OUR PROMISE TO YOU



Lintels Northwest Ltd, as a company prides itself on its attention to detail, and friendly and efficient service. All items in stock can be delivered to site on your behalf on a same day, next day arrangement at your discretion. Any items not in stock can be ordered and delivery can be arranged as required.

We also offer a personal consultancy service to help our customers ensure that they obtain the best use of the products we supply. This brochure offers an introduction to the products that can be supplied. There are however incidents when items requiring certain specifications are needed, we encourage all of our customers to discuss their requirements with members of the team.



4TH AVENUE, TRAFFORD PARK,
MANCHESTER, M17 1DB

Tel: 0161 872 6993 > Fax: 0161 872 3690 > Email: sales@lintelsnorthwest.co.uk



Also at: GLEBELANDS COURT,
GLEBELANDS ROAD, SALE, MANCHESTER M33 6LB
Tel: 0161 973 4666 > Email: sales@lintelsnorthwest.co.uk



LINTELS NORTHWEST LTD



Also at: GLEBELANDS COURT, GLEBELANDS ROAD, SALE, MANCHESTER M33 6LB
Tel: 0161 973 4666 > Email: sales@lintelnorthwest.co.uk