

Vista Engineering Limited

Bead and Mesh

Engineered Strength





In today's market you need a brand you can turn to for proven products, reliable support and competitive prices.



Welcome to Vista Engineering Ltd



Formed in 1979, Vista Engineering is an established UK manufacturer of galvanised and stainless steel building components. We offer a proven and extensive range of bead and mesh products backed up by reliable support at competitive prices.

Part of the Vista Group

The Vista Group is the UK's largest independent manufacturer of builders' metalwork. Created in 2018 by the merger of Vista Engineering, BPC Building Products and GA Fixings, our brands share common values of proven products, reliable support and competitive prices.

We are committed to the continuous development of our products, people and processes. Our products and UK facilities are certified to the very highest levels so you can be confident you're choosing the very best for your building project.

Tested and approved to all relevant standards

-  Quality management systems approved to ISO 9001:2015
-  Health and safety management systems approved to ISO 45001
-  Environmental management systems approved to ISO 14001
-  All materials used conform to their relevant British Standards (see page 15)
-  All products manufactured to their relevant British Standards (see page 15)
-  Modern slavery and anti-bribery statements available upon request



**PROVEN
CONSTRUCTION
PRODUCTS**





Proven products

Our bead and mesh range is just part of a much broader choice of high-quality products, engineered to meet the demanding specifications of today's construction industry.

For over 40 years, we've been exploring new manufacturing methods and improving existing ones to provide a superior product to our customers and meet their needs more effectively.

Our ISO certification is your guarantee of quality in our manufacturing process, from the high grade steel that enters our factory to the high performance finished products that leave it.

Reliable support

Strong, supportive relationships have always been at the heart of our business. It's how we develop a clear understanding of what our customers need and how we work closely with them to deliver their requirements.

Our friendly, knowledgeable customer service team are there to deal with your enquiries and make sure you get the products you want, when and where you need them.

With a large stock-holding facility and a reliable delivery network, we can provide mixed loads of products wherever they're needed at a moment's notice.

We also provide a full technical design service for products such as windposts and masonry support where it's required.

Competitive prices

Being more efficient in our approach to product design, manufacturing, service, packaging and distribution means we can be more competitive with our prices. That's because we pass on the benefits that come from economies of scale and more efficient operations in every area of our business. All with the aim of giving our merchant customers better margins and providing builders and contractors with even better value for money.

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Certificate Number: 1473
BS EN 1090

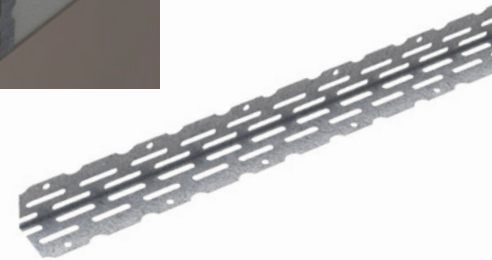
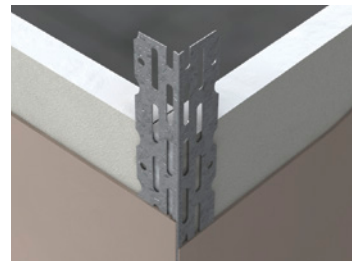
Drylining Beads

The following beads provide the plasterer with the ability to produce true straight edges in drylining applications and give an excellent key for thin coat (skim) plastering. Fixing of all the products is simple and the beads give good resistance to cracking, chipping and impact damage on corners and edges.

GPTC Galvanised Perforated Thin Coat Bead

A thin coat board bead for plaster skimming on plasterboard lined walls. Plaster depth 2/3mm. Nail holes for easy fix with drywall nails. Scalloped edge for an excellent plaster key. Internal use only.

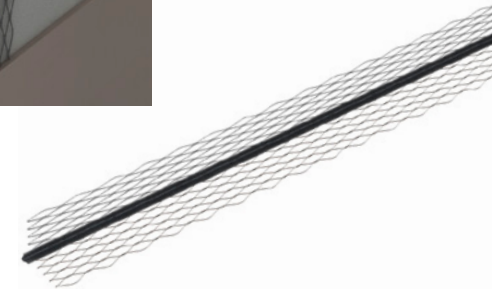
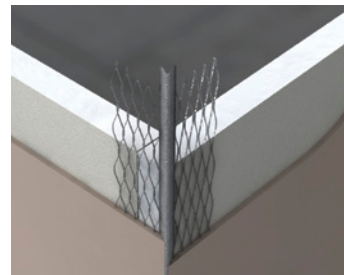
Code	Size	Per Box
GPTC24	2.4m x 22mm wing	50 lengths
GPTC27	2.7m x 22mm wing	50 lengths
GPTC30	3.0m x 22mm wing	50 lengths



GMM Galvanised Mini Mesh Bead

A thin coat bead with fine mesh wings designed for one coat plastering. Plaster depth 3mm. Fix with nails or plaster dabs. Use on plasterboard lined walls or aerated blocks. Internal use only.

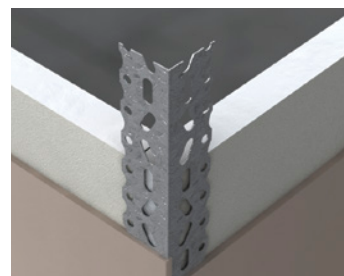
Code	Size	Per Box
GMM24	2.4m x 28mm wing	50 lengths
GMM27	2.7m x 28mm wing	50 lengths
GMM30	3.0m x 28mm wing	50 lengths

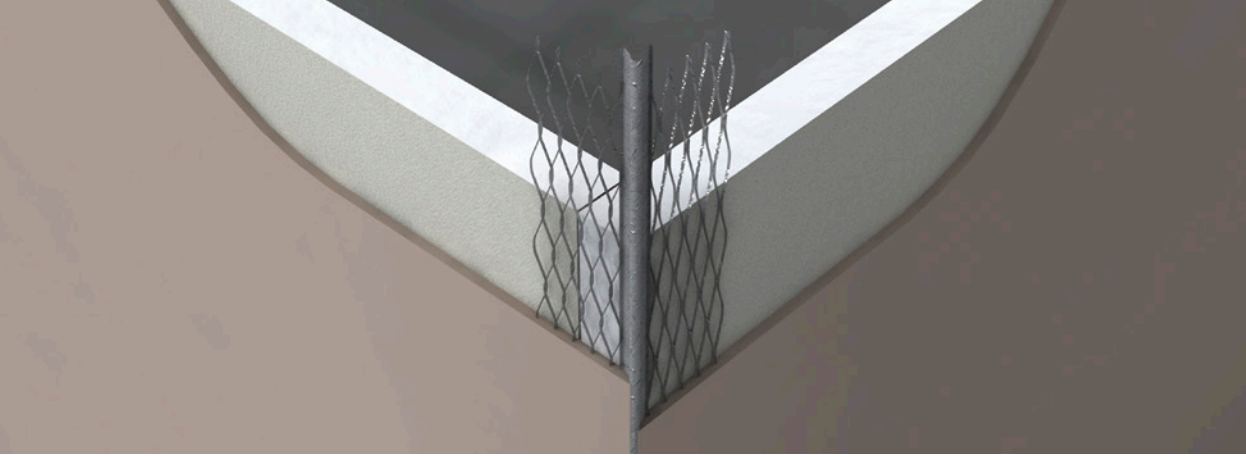


GPTCLW Galvanised Perforated Thin Coat Bead Wide Wing

A perforated thin coat bead as per GPTC above but with slightly wider wings to give a deeper plaster key. Plaster depth 2/3mm. Nail holes for easy fix with drywall nails. Scalloped edge for an excellent plaster key. Internal use only.

Code	Size	Per Box
GPTCLW24	2.4m x 25mm wing	50 lengths
GPTCLW30	3.0m x 25mm wing	50 lengths

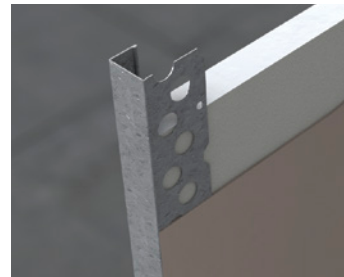




GEB Galvanised Plasterboard Edge Bead

A bead to reinforce the edges of plasterboard which can be fixed either with the perforated flange on the face of the board by nailing and skimmed over or with the short flange on the board face for a decorative edge finish. Internal use only.

Code	Size	Per Box
GEB1030	3.0m x 9.5mm	50 lengths
GEB30	3.0m x 12mm	50 lengths
GEB1530	3.0m x 15mm	50 lengths



GPS Galvanised Dry Wall Stop Bead

A bead for protection of thin coat plaster at edges and reveals and for abutment of thin coat plaster against other wall finishes. Also sometimes used as an arch bead. Nail holes for easy fix with drywall nails. Rigid but light bead perforated for an excellent thin coat plaster key. Either 3mm or 6mm Stop. Internal use only.

Code	Size	Per Box
GPS324	2.4m x 3mm	50 lengths
GPS330	3.0m x 3mm	50 lengths
GPS630	3.0m x 6mm	50 lengths



STORAGE
To prevent distortion and damage, all drylining bead should be kept dry and stored above the ground on a flat surface.

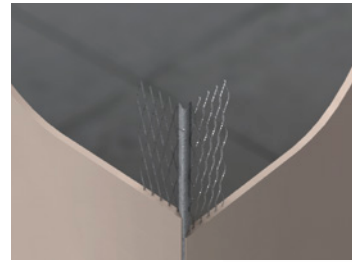
Plaster and Render Beads

The following beads are designed to give true corners and edges to plaster and render where thick or 'rough' coats are required. Fixing is easy using plaster dabs or galvanised nails (with galvanised beads) and the mesh wings provide resistance to cracking while offering a good key to the plaster or render.

GAB Galvanised Angle Bead 45mm Wing

This traditional wet plaster bead provides a strong true corner or arris, with the mesh wings allowing for a good plaster key and resistance to cracking. Fixed by plaster dabs at approximately 600mm centres, push the wings into the dabs to allow for the required plaster depth up to 13mm then ensure the nose is set square and plumb as required. Generally for internal use only.

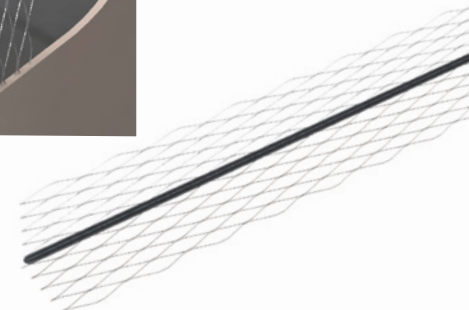
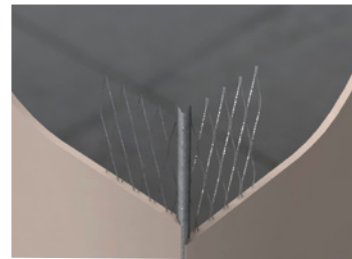
Code	Size	Per Box
GAB24	2.4m x 45mm wing	50 lengths
GAB27	2.7m x 45mm wing	50 lengths
GAB30	3.0m x 45mm wing	50 lengths



GWAB Galvanised Wide Angle Bead 63mm Wing

As the galvanised angle bead above but with a wider wing to allow for more uneven corners and slightly deeper plaster up to 16mm.

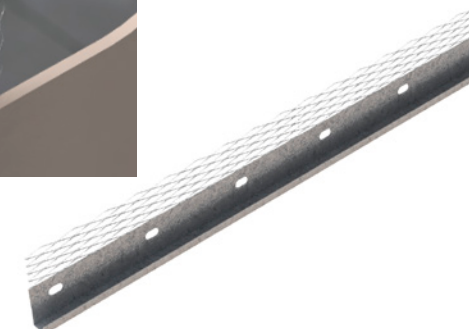
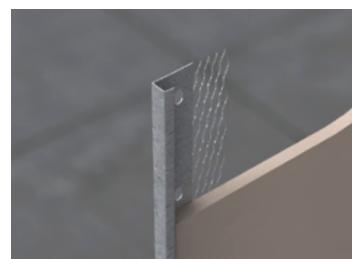
Code	Size	Per Box
GABLW24	2.4m x 63mm wing	50 lengths
GABLW30	3.0m x 63mm wing	50 lengths

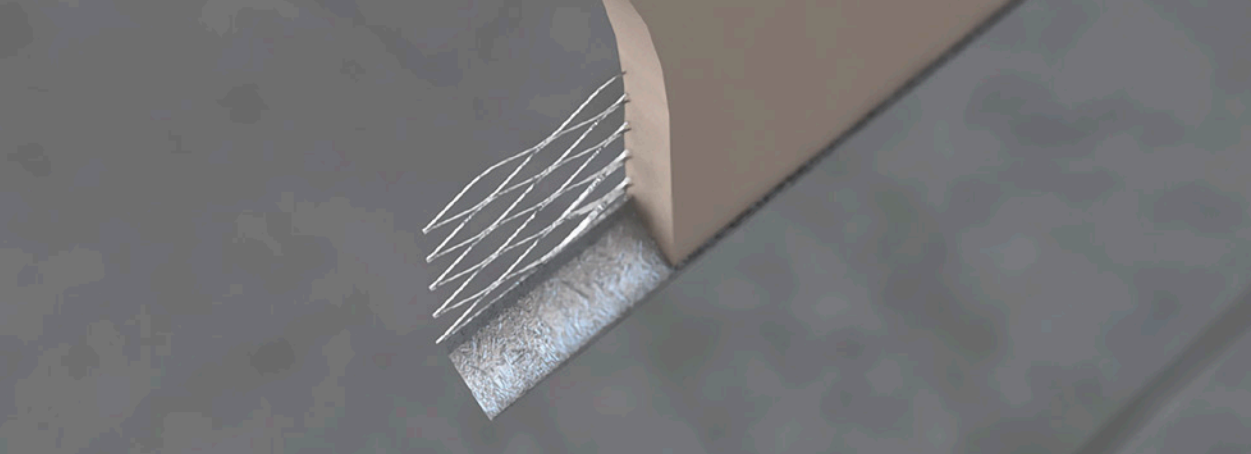


Code	Size	Per Box
GPS1024	2.4m x 10mm	50 lengths
GPS1027	2.7m x 10mm	50 lengths
GPS1030	3.0m x 10mm	50 lengths
GPS1324	2.4m x 13mm	50 lengths
GPS1327	2.7m x 13mm	50 lengths
GPS1330	3.0m x 13mm	50 lengths
GPS1624	2.4m x 16mm	50 lengths
GPS1627	2.7m x 16mm	50 lengths
GPS1630	3.0m x 16mm	50 lengths
GPS1924	2.4m x 19mm	50 lengths
GPS1927	2.7m x 19mm	50 lengths
GPS1930	3.0m x 19mm	50 lengths

GPS Galvanised Plaster Stop Bead

Provides a straight and clean edge to wet plaster where it butts up to other materials such as door and window frames. Fixed with plaster or mortar dabs as above or can be nailed. Generally for internal use only (stainless steel or PVC-u recommended for external use).

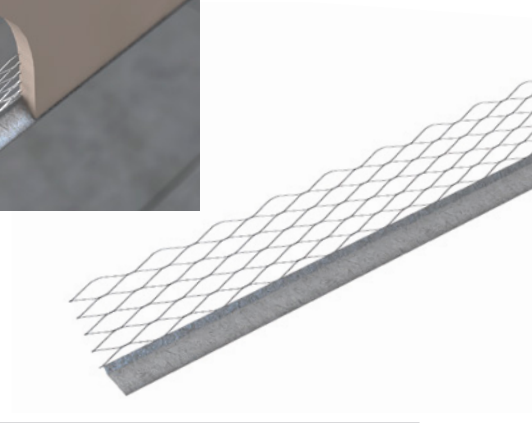
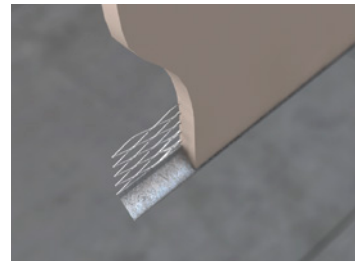




GERS Galvanised External Render Stop (Bell) Bead

Used where a neat drip or 'bell-end' lower edge is needed on external render. Fixed by mortar dabs or masonry nails. Although this is for external use we would generally recommend stainless steel or PVC-u for this application only using this product in sheltered or low rainfall areas.

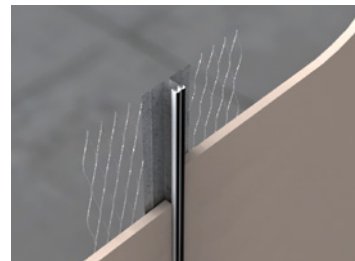
Code	Size	Per Box
GERS24	2.4m	50 lengths
GERS30	3.0m	50 lengths



GMB Galvanised Movement Bead

Designed to be used to form movement joints in plaster or render where long wall runs either have movement joints in situ or where there is a need to allow for differential or thermal movement. The bead consists of two plaster stop lengths joined by a white pvc extrusion which allows for up to 4mm of movement and which is covered by a vinyl tape which is removed after plastering or rendering. Internal use only. We recommend stainless steel or PVC-u for external rendering.

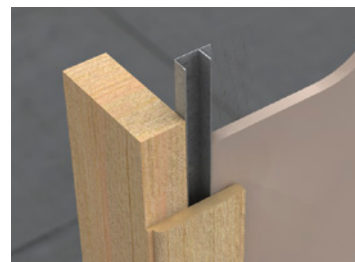
Code	Size	Per Box
GMB1030	3.0m x 10mm	10 lengths
GMB1330	3.0m x 13mm	10 lengths
GMB1630	3.0m x 16mm	10 lengths
GMB1930	3.0m x 19mm	10 lengths



GARB Galvanised Architrave Bead

A range of beads produced to allow for decorative finishes i.e. shadow lines and recesses around door and window frames etc. The bead can either be supplied as an engaging bead or abutting bead with various plaster depths available. Internal use only.

Code	Size	Per Box
GARB1330-ENGAGING	3.0m x 10mm and 13mm engaging (without flange)	50 lengths
GMB1330-ABUTTING	3.0m x 10mm, 13mm and 20mm abutting (with flange)	50 lengths



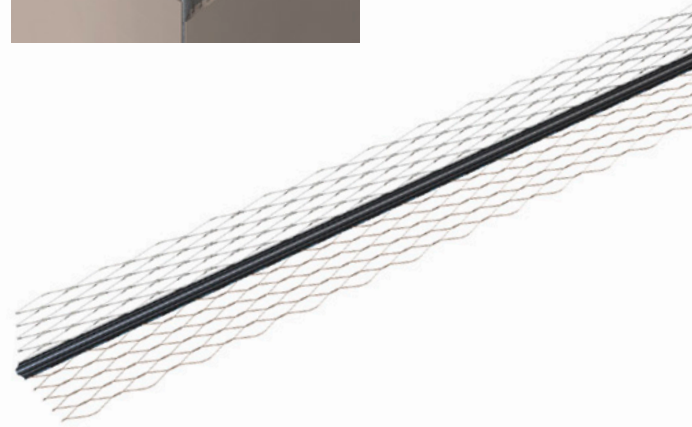
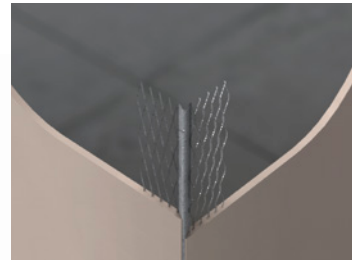
External Beads

The following beads are generally for use with external renders or areas where there is high moisture / humidity or where applying a polymer modified or sand / cement finish. The mesh wings provide an excellent mortar key and the solid edges create true straight arrises, corners and finishes to render runs. Fixing is generally by mortar dabs or stainless steel nails or staples. Galvanised fixings should not be used to avoid bi-metallic reactions which cause rust spots.

SAB Stainless Steel Angle Bead

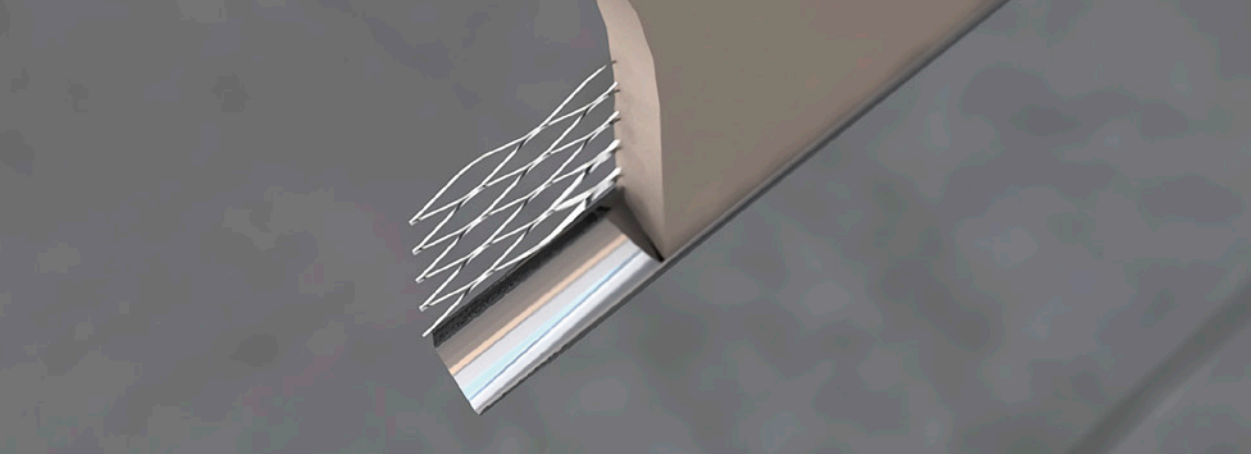
The traditional render corner bead providing a strong true corner or arris, with the mesh wings allowing for a good plaster key and resistance to cracking. Fixed by mortar dabs at approximately 600mm centres, push the wings into the dabs to allow for the required render depth-up to 13mm then ensure the nose is set square and plumb as required.

Code	Size	Per Box
SAB30	3.0m	50 lengths



Mesh wings provide an excellent mortar key

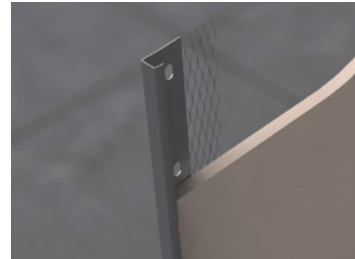




SPS Stainless Steel Plaster Bead

Provides a straight and clean edge to render where it butts up to other materials such as door and window frames. Fixed with mortar dabs, or nailed using stainless steel fixings.

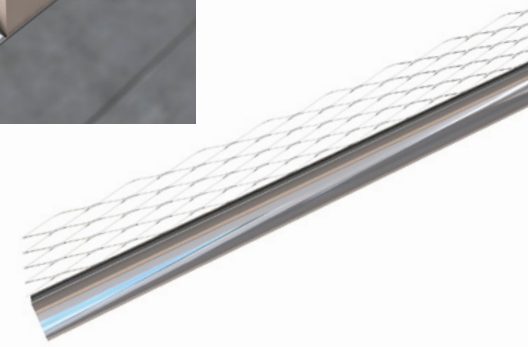
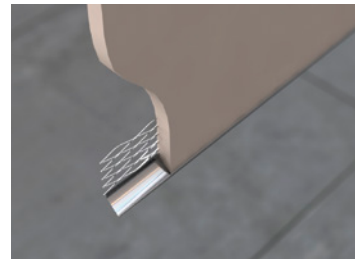
Code	Size	Per Box
SPS1030	3.0m x 10mm	50 lengths
SPS1330	3.0m x 13mm	50 lengths
SPS1630	3.0m x 16mm	50 lengths
SPS1930	3.0m x 19mm	50 lengths



SERS Stainless Steel External Render (Bell) Bead

Used where a neat drip or 'bell-end' lower edge is needed on external render. Fixed by mortar dabs or stainless steel nails.

Code	Size	Per Box
SERS30	3.0m	50 lengths



SMB Stainless Steel Movement Bead

Designed to be used to form movement joints in plaster or render where long wall runs either have movement joints in situ or where there is a need to allow for differential or thermal movement. The bead consists of two plaster stop lengths joined by a white pvc extrusion which allows for up to 4mm of movement and which is covered by a vinyl tape which is removed after plastering or rendering.

Code	Size	Per Box
SMB1030	3.0m x 10mm	10 lengths
SMB1330	3.0m x 13mm	10 lengths
SMB1630	3.0m x 16mm	10 lengths
SMB1930	3.0m x 19mm	10 lengths



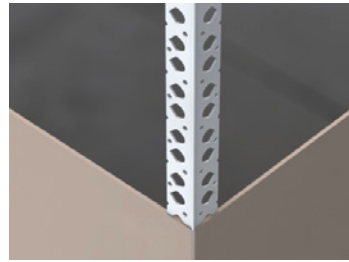
PVC-u Beads

PVC-u beads are now being used more and more, particularly in areas of high rainfall or extreme damp conditions. They provide an economical alternative to stainless steel products and are used in the same way as normal galvanised or stainless steel beads. They are manufactured from white high density polyvinylchloride high impact window grade material. Other colours are available and manufactured to order. The face of the bead is ribbed and perforated to produce a good plaster or mortar key and can be easily cut to size using a hacksaw.

PAB 23 PVC-u Angle Bead Thincoat

A PVC-u equivalent to a mini mesh or perforated thin coat bead for use with plasterboard where a skim coat is required. Fixed using drywall nails or jointing filler, the profile allows for a 2 mm to 3 mm plaster coat to provide a neat corner edge. Internal use only.

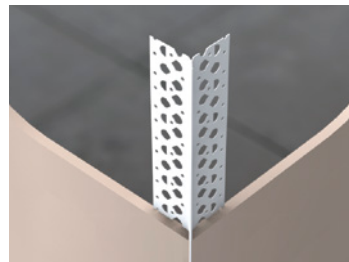
Code	Size	Per Box
PAB23	2.5m	50 lengths



PAB PVC-u Angle Bead

A PVC-u equivalent to traditional plaster and render corner beads. The wing size is the same for all sizes and provides a good key for plaster or mortar. The nose length varies to accommodate increasing depths of plaster or mortar. Fixed with either plaster or mortar dabs or nails. Internal and external use.

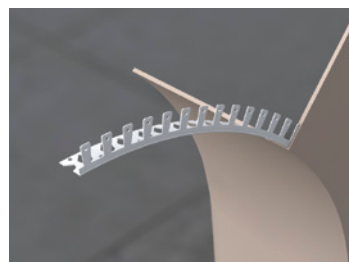
Code	Size	Per Box
PAB610	2.5m x 6/10mm	50 lengths
PAB812	2.5m x 8/12mm	40 lengths
PAB1319	2.5m x 13/19mm	30 lengths



PPS3 PVC-u Arch Bead

A flexible bead allowing the plasterer to form a dry wall corner arch to the radius of their choice. The nose allows for 3 mm of plaster skim and forms a stop for the plaster. The bead can be fixed by nailing, jointing filler or adhesive to plasterboard. Internal use only.

Code	Size	Per Box
PPS3	2.5m	50 lengths



BENEFITS

Easy to cut

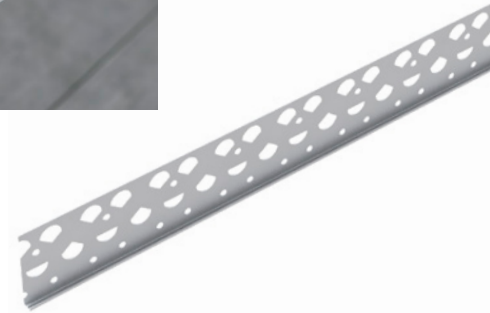
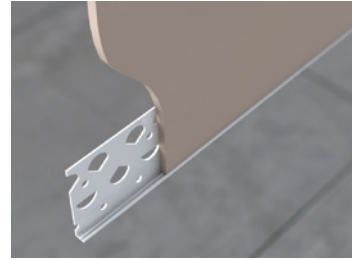
(by use of tin snips
or fine tooth saw)

Non corrosive

PPS PVC-u Plaster Stop Bead

Used to provide a straight clean finish on the edge of plaster or render at door or window opening and to protect and reinforce this edge. Used in the same way as a steel plaster stop, this bead comes in four flange widths for use with either plaster or external render. Fixing by nailing or plaster/mortar dabs the bead provides a straight edge to separate plaster or mortar from other materials. Internal and external use.

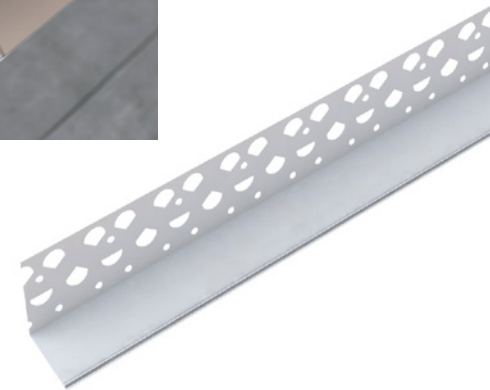
Code	Size	Per Box
PPS68	2.5m x 6/8mm	50 lengths
PPS1012	2.5m x 10/12mm	50 lengths
PPS1517	2.5m x 15/17mm	50 lengths
PPS2022	2.5m x 20/22mm	50 lengths



PERS External Render Stop (Bell) Bead

For use with external render to provide a drip feature at the bottom of the render coat. Fixed using either mortar dabs or masonry nails the bead forms a straight edge to the bottom of the render.

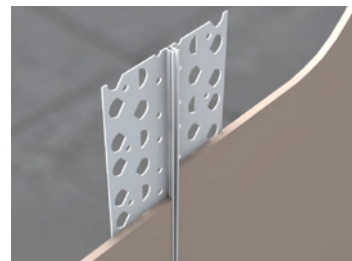
Code	Size	Per Box
PERS1222	2.5m x 12/22mm render depth	50 lengths
PERS612	2.5m x 6/12mm render depth	50 lengths



PMB PVC-u Movement Bead

Designed to form a movement joint where needed in a long run of plastered or rendered masonry where there is a movement joint or to allow for thermal or differential movement in a long run of plaster or render. The bead consists of two plaster stop beads joined with a white extrusion allowing for approximately 4 mm of movement when installed vertically. Internal and external use.

Code	Size	Per Box
PMB1012	2.5m x 10/12mm	25 lengths
PMB1517	2.5m x 15/17mm	25 lengths
PMB2022	2.5m x 20/22mm	25 lengths



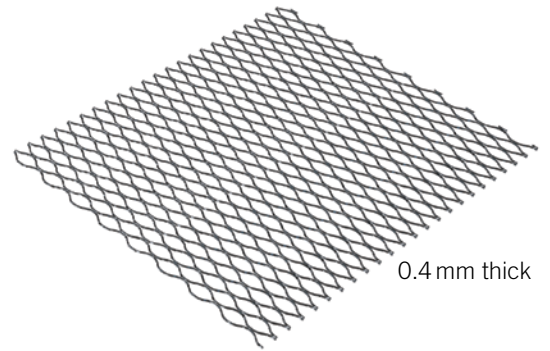
Lathing Products

The following products are used as a key for plaster internally and render externally and can be fixed to brick / block work, timber, steel and concrete when using various proprietary fixings. The laths enable the plasterer or renderer to provide a smooth even finish where required.

GEML Galvanised Expanded Metal Lath

A key for plaster on suspended ceilings and walls this versatile product can also be used to encase steel columns and beams to assist in fire protection. Use internally, fixed with galvanised nails, staples or tying wire.

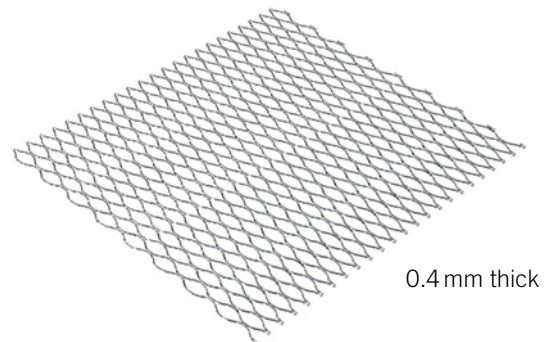
Code	Size	Quantity	Units
GEML	2438mm x 685mm	10 sheets	Bundle



SEML Stainless Steel Expanded Metal Lath

A key for render work externally or for plaster work internally where damp conditions prevail. Fix with stainless steel nails, staples or wire or alternatively proprietary polypropylene anchors to masonry or concrete.

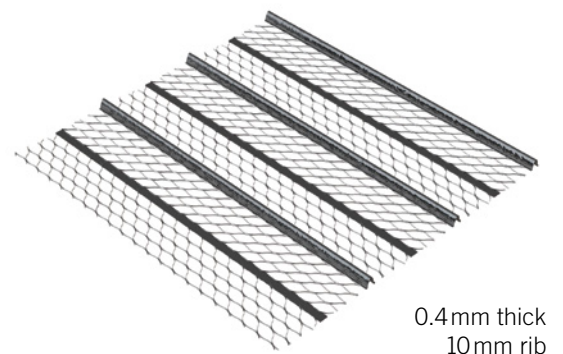
Code	Size	Quantity	Units
SEML	2500mm x 700mm	10 sheets	Bundle



GRL Galvanised Rib-Lath

A key for plastering and rendering rib-lath with its stiffening ribs provides a good key for deeper coatings of plaster or render. As well as being used for walls rib-lath can also be used for partitions and ceilings. Fixed through the rib section with galvanised nails or around the rib with galvanised staples or tying wire.

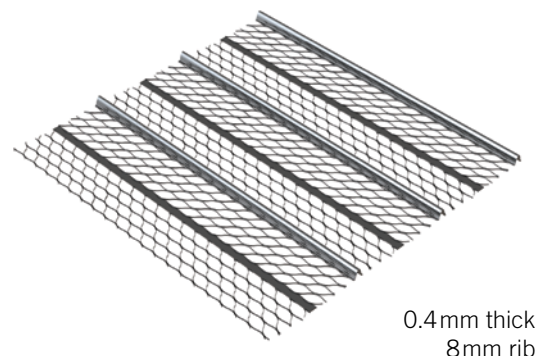
Code	Size	Quantity	Units
GRL	2500mm x 600mm	10 sheets	Bundle



SRL Stainless Steel Rib-Lath

A key for plastering and rendering rib-lath with its stiffening ribs provides a good key for deeper coatings of plaster or render. As well as being used for walls rib-lath can also be used for partitions and ceilings. Fixed through the rib section with stainless steel nails or around the rib with stainless steel staples or tying wire. External use only.

Code	Size	Quantity	Units
SRL	2500mm x 600mm	10 sheets	Bundle



Range of metal lathing for internal and external plaster key applications and anti-crack control. For appropriate fixing of lathing products, see back of brochure

SCA Semi Circular Arch Former

Code	Size	Per Box
SCA750	750mm	Box
SCA800	800mm	Box
SCA850	850mm	Box
SCA900	900mm	Box
SCA1200	1200mm	Box
SCA1500	1500mm	Box

A mesh former allowing the plasterer to produce a clean edged semi-circular arch opening. The arches are supplied as a pack of four pieces and are fixed to each side of the opening then plastered over. An elliptical shape can be produced by using extra bridging pieces supplied as a separate pack. Recommended for internal use only. 1 box contains enough for 1 full arch i.e. 4 pieces



Security Laths

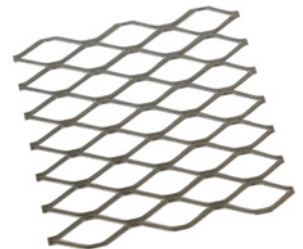
A range of laths for added security to walls, ceilings, partitions and roofs discouraging break ins via these routes. When galvanised the laths can be rendered or plastered to hide their presence. Manufactured in accordance with BS 405: 1987 from HRPO mild steel to BS EN 10111: 1998.

SLLD Security Lath Light Duty

This light duty security lath is a lightweight and economical security lath suitable for internal wall security, partitions, ceilings and roofs. Each sheet weighs approximately 6kgs and can easily be handled by one man.

Code	LWA*	SWA**	Width	Thickness	Weight (KG/M ²)
SLLD	43.43mm	18.03mm	2.31mm	1.2mm	1.85

Sheet Size: 2500mm x 1250mm mild steel or pre-galvanised material.



SLHDR Security Lath Heavy Duty Raised

This heavy duty raised security lath is ideal for internal or external brickwork and can act as a key for render or plaster finishes when galvanised.

Code	LWA*	SWA**	Width	Thickness	Weight (KG/M ²)
SLHDR	50.08mm	22.58mm	3.12mm	3mm	6.52

Sheet Size: 2440mm x 1220mm mild steel or hot dipped galvanised.



SLHD Security Lath Heavy Duty

This heavy duty security lath is suitable for internal wall security, partitions, ceilings and roofs. The mesh has a flattened profile and weighs approximately 20kgs per sheet.

Code	LWA*	SWA**	Width	Thickness	Weight (KG/M ²)
SLHD	39.12mm	18.29mm	4.5mm	2.5mm	6.7

Sheet Size: 2440mm x 1220mm mild steel or hot dipped galvanised.



* Long wire aperture. ** Short wire aperture.

Installation Instructions for Lathing

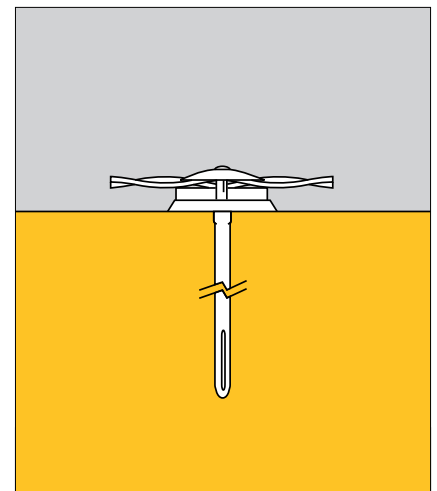
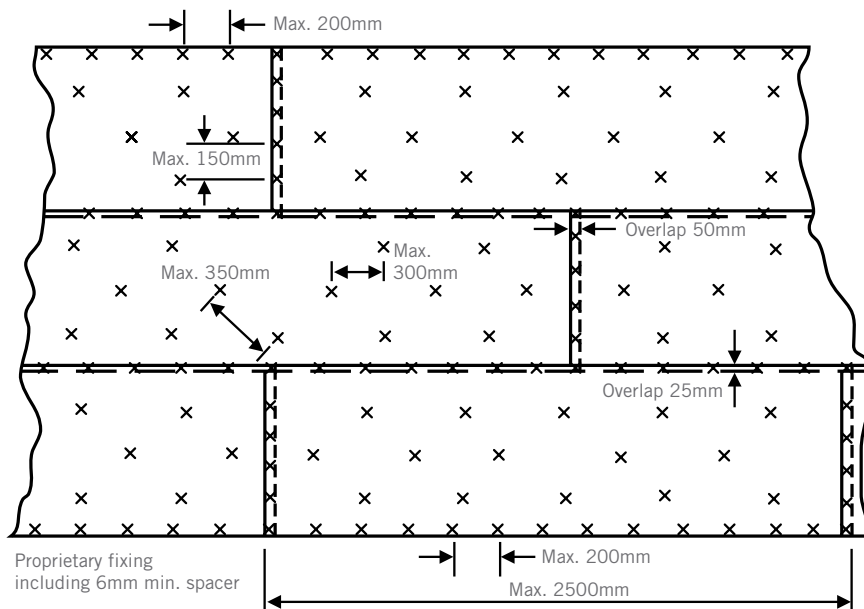
Fixing Expanded Metal Lathing to Metal or Timber Supports

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.

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 fix at an angle to allow lath to be pulled tight. Ensure that compatible corrosion resistant fixings are used i.e. do not use galvanised fixings with stainless products.

To fix to steel channels, tie with 1.2 mm tying wire at 100mm centres. Tie as illustrated with rib-lath below 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.

Fixing Expanded Metal Lathing to Solid Backgrounds



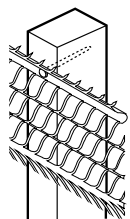
Typical fixing of expanded metal lathing and rib-lath using a proprietary large headed fixing when attaching to solid backgrounds.

When fixing rib-lath ensure that nails fix through the ribs and staples/wire hair pins over the ribs.

Ensure when fixing that 50mm allowance is made for overlapping sheets at ends.

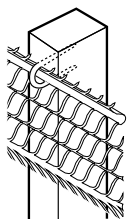
Fixing Rib-Lath to Metal or Timber supports

40mm Nail



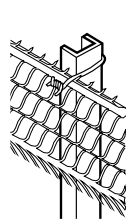
Timber studs at max. 600mm centres

30mm Staple



Timber studs at max. 600mm centres

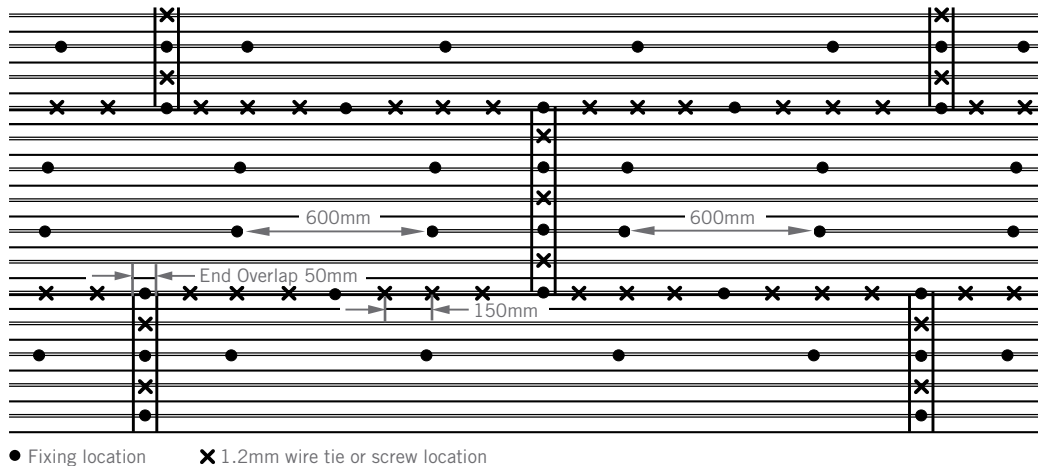
Wire Tie



Metal studs at max. 600mm centres

Installation Instructions for Lathing

Typical Fixing of Rib-Lath to Vertical Solid Background



Relevant British / European Standards

Bead Material

Galvanised steel to BS EN 10346:2015 DX51+Z275 (protective coating) and BS EN 10143 (thickness and coating).

Stainless steel - to BSEN 10088-2 grade 1.4301 and 1.4016

PVC-u white high density polyvinylchloride high impact external window grade

Expanded Metal Lathing Material

Galvanised to BS EN 10346:2015 DX51+Z275 (protective coating) and BS EN 10143 (thickness and dimensions)

Stainless steel-austenitic - to BSEN 10088-2 grade 1.4301

Security Laths

Light duty - cold rolled mild steel to BS EN 10130:1991

Heavy duty and raised - HRPO mild steel to BS EN 10111:1998

British Standards

Vista galvanised and stainless steel angle beads, plaster stops and external render stops, perforated beads etc. are manufactured in accordance with BS6452 Part 1:1984

Galvanised and stainless steel expanded metal laths and rib-laths are manufactured in accordance with BS1369 Part 1:1987

Security laths are manufactured in accordance with BS405:1987

European Standards

BS EN 13658-1:2005 – Metal Lath and Beads - Definitions, requirements and test method, Part 1: Internal Plastering

BS EN 13658-2:2005 - Metal Lath and Beads – Definitions, requirements and test method, Part 2: External Rendering

BS EN 14353:2017 - Metal beads and feature profiles for use with gypsum plasterboards

Bead Usage

All beads and lathing products need to be fixed in accordance with the following standards:

BS EN 13914-1:2016- Design, preparation and application of external and internal plastering,

Part 1: External Rendering

BS EN 13914-2:2016- Design, preparation and application of external rendering and internal plastering,

Part 2: Design considerations and essential principles for internal plastering.

BS 8212:1995 – Code of Practice for Dry Lining and Partitioning using Gypsum Plaster.

Health and Safety

To find out more about our health and safety advice on handling and packaging please contact us for an information sheet or go online at:

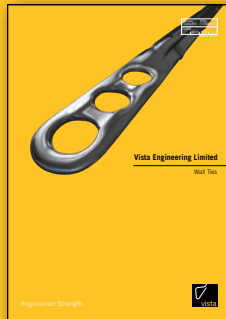
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Available from:

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BS EN 1090

