

catnic®



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Plaster Bead & Mesh Product Selector

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Build it better with Catnic

Acknowledged for our excellence of service and conformance to the highest quality standards, our products have been installed successfully in municipal buildings and domestic properties in over 30 countries worldwide.

Building on our strength in the steel lintels market, Catnic supply a comprehensive range of branded building components and plasterers' profiles which are manufactured to the same industry-leading high standards as our renowned steel lintels.

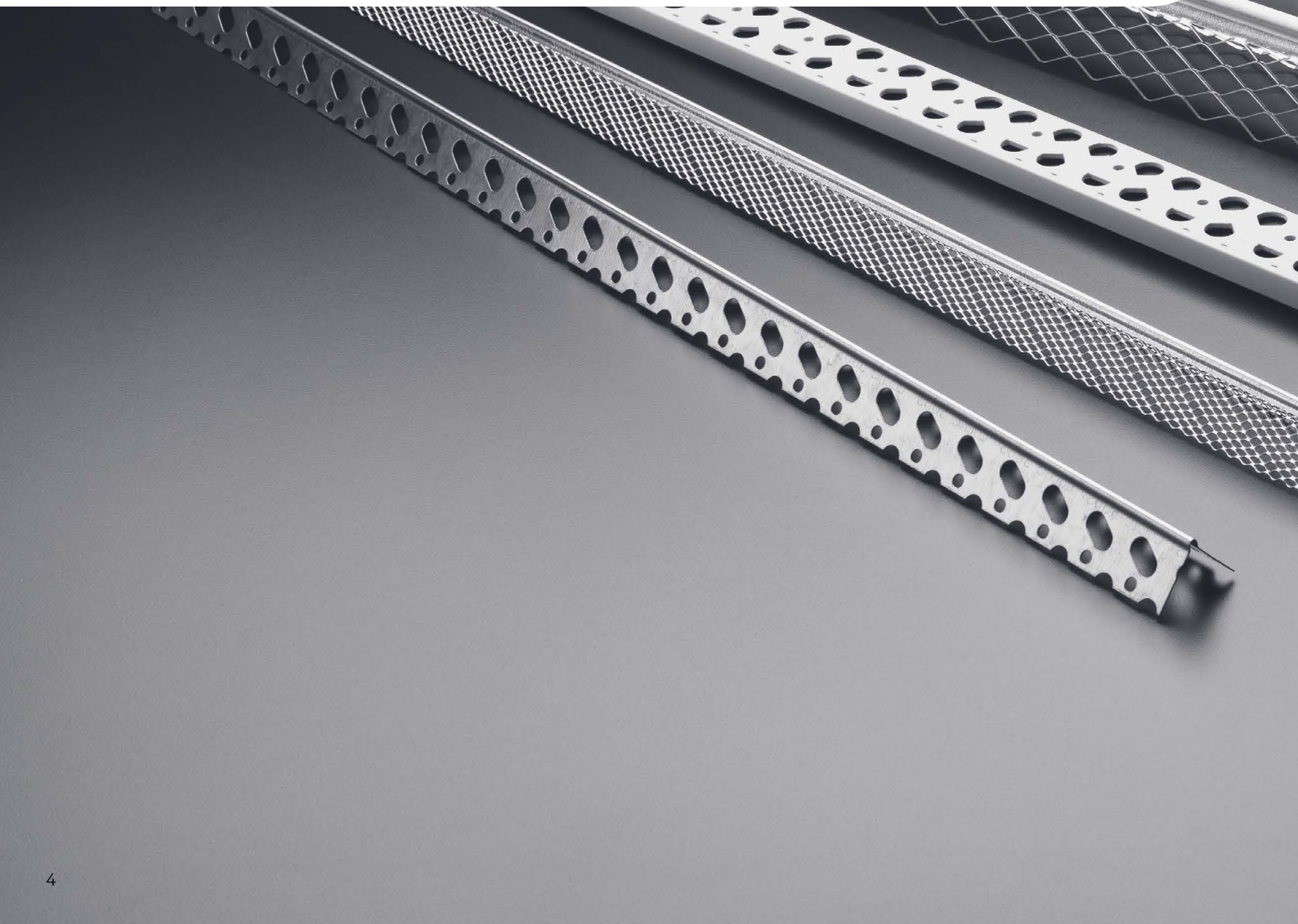
Selecting the Catnic brand assures that the products you have chosen are of superior quality and are fully supported by our extensive distributor network throughout the world.

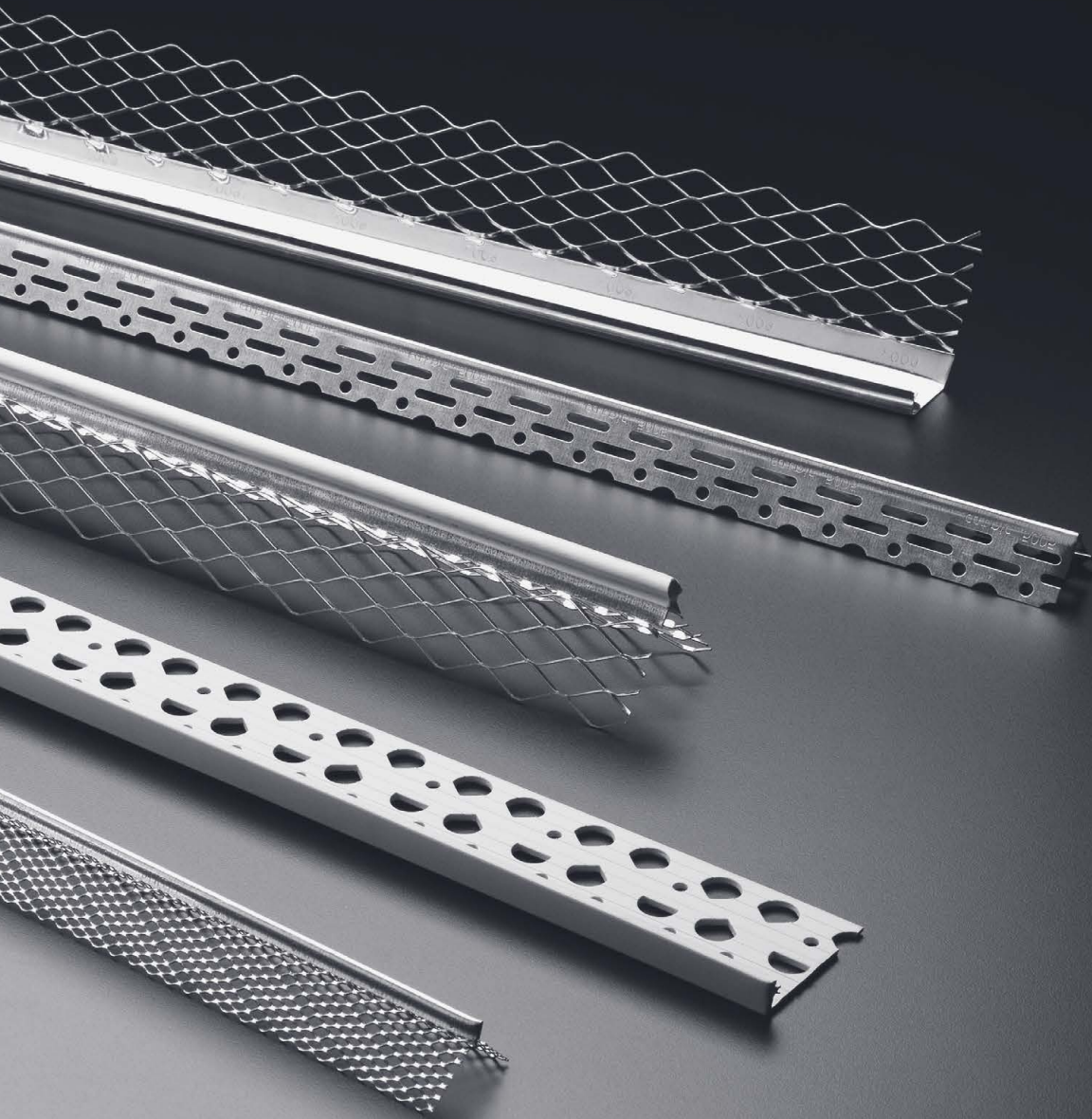
Features of Catnic Plaster Bead & Mesh

As a professional, we know that you care about the finish. The tiny details that make a good job great. The sharp lines and beautiful edges that give you pride in your work.

That's why we created the Catnic Plastering range. Not made for the hobbyist. Our products are made with precision from superior materials, for plasterers who care about the finish.

Stainless steel, PVCu and galvanised beads are all available as part of our extensive range. With a wide selection of render, drywall and decorative applications to choose from, together with expanded metal lath.





Steel Plaster Beads

Our comprehensive range of Plaster Beads are precision engineered and simple to use. Fixing by nail or plaster dab is straightforward and fast, creating arrises, edges, corners and joints that are easy to form and resistant to chipping, cracking and impact damage.

Where to Install



Internal Applications

For internal applications galvanised steel plaster bead and mesh products can be used. In normal circumstances, matured plasterwork may be regarded as dry and therefore non-corrosive.

Risks of corrosion in galvanised accessories only normally becomes apparent during the initial plaster drying out period, which should be kept to a minimum, and subsequently during periods of heavy condensation.

The use of sand or water contaminated with soluble salts in plastering mixes should be avoided as should soluble chlorides as they are likely to increase the risk of metal corrosion. The presence of sea salts in sand used in plastering which is in contact with galvanised accessories will often cause rust staining and should therefore be avoided.

Galvanised steel products are manufactured to BS EN 10346: 2015-DX51+Z275.



Galvanised beads

For internal use



External Applications

In external applications and conditions where heavy condensation, persistent damp or regular exposure to moisture are likely, stainless steel, PVCu or PVCu nosed products should be specified.

In general, care should be taken to ensure that metal accessories are kept dry, and distortion is prevented during storage and handling. Care should also be taken to prevent mechanical damage to the galvanised coating. Stainless steel products are for use specifically with cement-based renders.



Stainless Steel beads PVCU Beads

For external use

How to Install

The most appropriate Catnic bead should be chosen to suit the application, required plaster depth and the desired finish of the work.

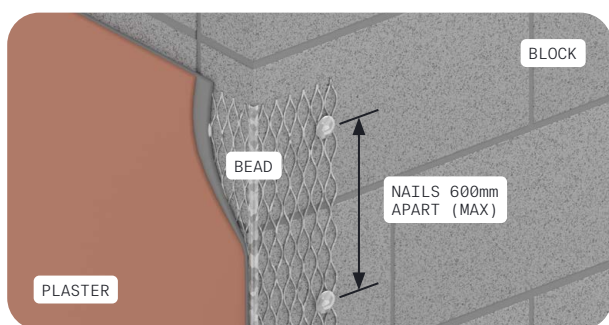
The application and installation of Catnic beads should be in accordance with BS 8481:2006 and BS EN 13914-2:2016 Code of Practice for internal plastering and BS EN 13914-1:2016 Code of Practice for external renderings.

Before installation all backgrounds should be free of deleterious substances such as mould, oil and grease and be adequately prepared to accommodate the finished surface, all beading and attendant fixings at the specified depths.

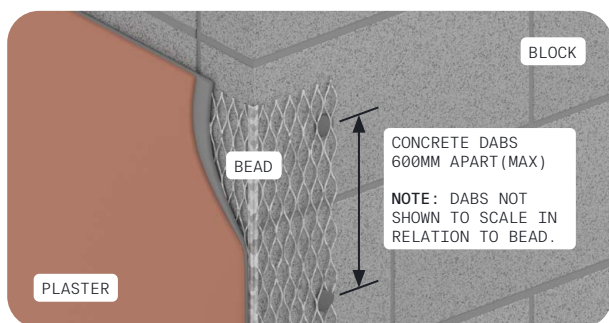
Catnic beads should be fixed at a nominal 600mm spacing by embedding with dabs of the same material used for the undercoat or corrosion resistant galvanised nails for galvanised bead and stainless steel nails for stainless steel bead.

Beads may be trimmed to length using tinman's shears across the wings and a fine-toothed saw across bead noses.

Use one of the following methods to fix Catnic angle beads:



A Using galvanised or stainless steel nails (compatible with bead material) complying with BS 1202: Part 1, fixed at a maximum of 600mm apart. When nailing to a solid background the line of the bead will follow the line of the background.



B Pressing the bead onto dabs of the same material as the undercoat, dabs should be applied at a maximum of 600mm apart. This method will even out minor irregularities in the line of the background, although the line of the bead will tend to generally follow the line of the background.

C When beads are used with metal lath backgrounds, galvanised or stainless steel tying wire may be used to secure the beads in position. Soft galvanised wire to BS EN 10244-2:2023 and soft stainless steel wire complying with BS EN 10088-3:2023 should be used to match the bead and lath materials. All wires should be twisted tightly and the ends bent away from the finished face of the coating.

Corrosion Protection

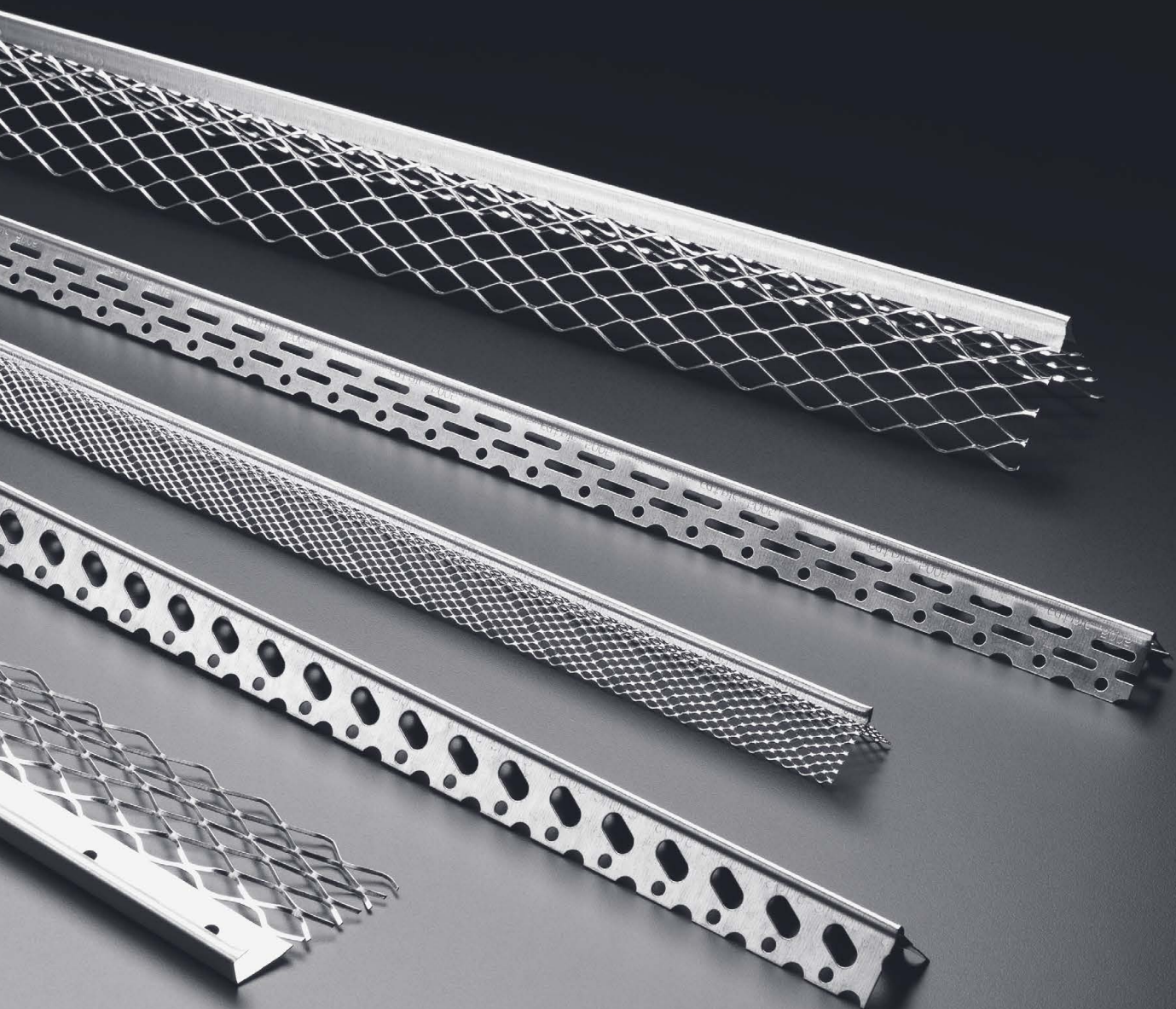
In normal circumstances, matured plasterwork may be regarded as dry and therefore non-corrosive. Risks of corrosion in galvanised accessories only normally become apparent during the initial plaster drying out period, which should be kept to a minimum, and subsequently during periods of heavy condensation. All backgrounds should be free of deleterious substances such as mould, oil and grease and be adequately prepared to accommodate the finished surface, all beading and

attendant fixings at the specified depths. The use of sand or water contaminated with soluble salts in plastering mixes should be avoided as should soluble chlorides, as they are likely to increase the risk of metal corrosion. The presence of sea salts in sand used in plastering which is in contact with galvanised accessories will often cause rust staining and should therefore be avoided. In external applications and, in conditions where heavy condensation, persistent damp or regular exposure to

moisture are likely, stainless steel, PVCu or PVCu nosed products should be specified. In general, care should be taken to ensure that metal accessories are kept dry and distortion is prevented during storage and handling. Care should also be taken to prevent mechanical damage to the galvanised coating. Stainless steel products are for use specifically with cement based renders. Galvanised steel products are manufactured to BS EN 10346: 2015-DX51+Z275.

Internal Plaster Beads

Our range of galvanised plaster beads is designed for internal use only.

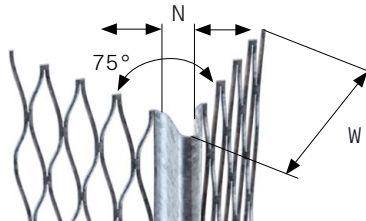


Galvanised Beads



Angle Beads

Provides true and straight corners which are resistant to chipping and cracking giving strength and protection against everyday knocks.



Standard Angle Bead

STD

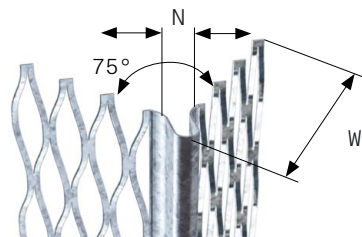
2.4m, 3.0m LENGTHS

50 LENGTHS/PACK

N = 5mm WIDE

W = 53mm

12-19mm PLASTER THICKNESS



Supasave Angle Bead

SS

2.4m, 3.0m LENGTHS

50 LENGTHS/PACK

N = 5mm WIDE

W = 45mm

13mm PLASTER THICKNESS

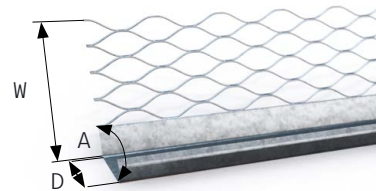


Galvanised beads

To be used for internal application only. To help prevent corrosion and speed up the drying time, please ensure sufficient ventilation.

Renderstop Beads (Bell Cast Beads)

Renderstop beads are used to obtain a neat, bell cast lower edge to external finishes and helps to protect masonry against run-off water.



Renderstop Bead

RS

3.0m LENGTH

50 LENGTHS/PACK

W = 48mm WIDE

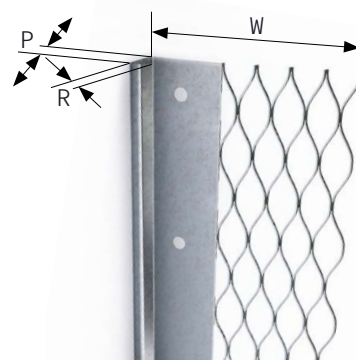
D = 25mm

A = 120°

19mm PLASTER THICKNESS

Plasterstop Beads

Provides clean, neat edges at openings or abutments onto other wall surfaces or ceiling finishes.



Plasterstop Bead

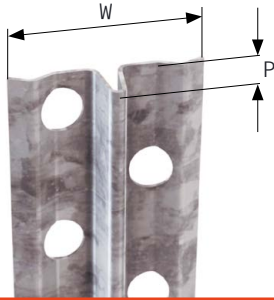
PS10	PS13	PS16	PS19
2.4m, 3.0m LENGTHS	2.4m, 3.0m LENGTHS	3.0m LENGTHS	3.0m LENGTHS
50 LENGTHS/PACK	50 LENGTHS/PACK	50 LENGTHS/PACK	50 LENGTHS/PACK
W = 58mm	W = 55mm	W = 60mm	W = 57mm
R = 5mm	R = 5mm	R = 5mm	R = 5mm
P = 10mm	P = 13mm	P = 16mm	P = 19mm
10mm PLASTER THICKNESS	13mm PLASTER THICKNESS	16mm PLASTER THICKNESS	19mm PLASTER THICKNESS

Galvanised Beads



Depth Gauge Beads

Provides a quick and accurate means of ensuring consistent, minimum plaster depths as plaster is simply 'ruled off' to leave the required thickness.

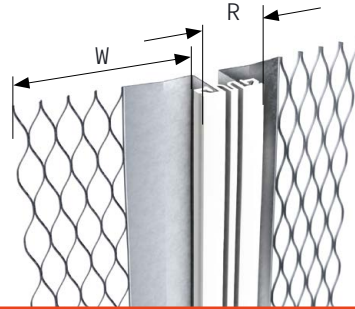


Depth Gauge Bead

DG6	DG10
3.0m LENGTH	3.0m LENGTH
50 LENGTHS/PACK	50 LENGTHS/PACK
W = 21mm	W = 23mm
P = 6mm	P = 10mm
6mm PLASTER THICKNESS	10mm PLASTER THICKNESS

Movement Beads

Allows for movement between adjoining surfaces resulting in differential expansion and expansion within the plaster / rendered area. Allows movement of +/- 3mm. Movement Beads should be installed at no greater than 5m intervals. Movement Beads should not be used over structural movement /control joints.

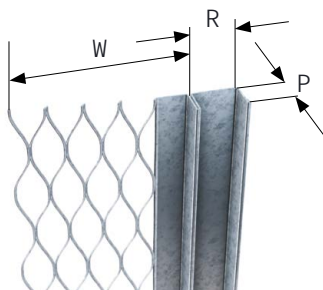


Movement Bead

MB10	MB13	MB16	MB19
GALVANISED WITH PVCu STRIP	GALVANISED WITH PVCu STRIP	GALVANISED WITH PVCu STRIP	GALVANISED WITH PVCu STRIP
3.0m LENGTH	3.0m LENGTH	3.0m LENGTH	3.0m LENGTH
10 LENGTHS/PACK	10 LENGTHS/PACK	10 LENGTHS/PACK	10 LENGTHS/PACK
W = 58mm	W = 55mm	W = 60mm	W = 25mm
R = 25mm	R = 25mm	R = 25mm	R = 25mm
12mm PLASTER THICKNESS	15mm PLASTER THICKNESS	18mm PLASTER THICKNESS	21mm PLASTER THICKNESS

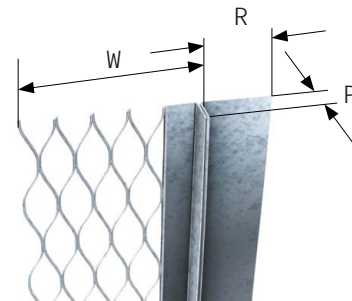
Architrave Beads (Shadow Line Beads)

Gives a shadow line decorative effect for aesthetic purposes and creates a clean division between varying wall finishes.



Architrave with Flange (abutting)

ARC10/WF	ARC13/WF
3.0m LENGTH	3.0m LENGTH
25 LENGTHS/PACK	25 LENGTHS/PACK
W = 37mm	W = 37mm
R = 12mm	R = 12mm
P = 10mm	P = 13mm
10mm PLASTER THICKNESS	13mm PLASTER THICKNESS



Architrave without Flange (engaging)

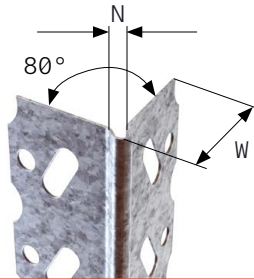
ARC10/WO	ARC13/WO
3.0m LENGTH	3.0m LENGTH
25 LENGTHS/PACK	25 LENGTHS/PACK
W = 37mm	W = 37mm
R = 20mm	R = 20mm
P = 10mm	P = 13mm
10mm PLASTER THICKNESS	13mm PLASTER THICKNESS

Galvanised Beads



Drywall Angle Bead and Thin Coat Plaster Applications

Designed for single/thin coat plasterwork, enabling a thin coat finish of just 3mm, alternatively Drywall Angle Bead and Micromesh Angle Bead allow for a 6mm plaster.



Drywall Angle Bead

DW

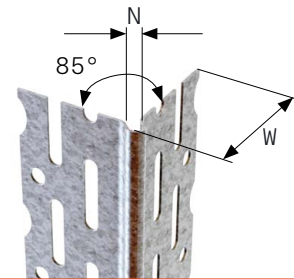
2.4m, 3.0m LENGTHS

50 LENGTHS/PACK

N = 3.1mm

W = 25mm

6mm PLASTER THICKNESS



Drywall Thin Coat Bead

DWTC

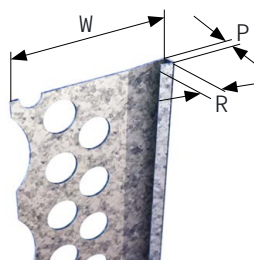
2.4m, 3.0m LENGTHS

50 LENGTHS/PACK

N = 3mm

W = 23mm

3mm PLASTER THICKNESS



Drywall Stop Bead

DWSB3

DWSB6

2.4m, 3.0m LENGTHS

3.0m LENGTH

50 LENGTHS/PACK

50 LENGTHS/PACK

W = 30mm

W = 30mm

R = 3mm

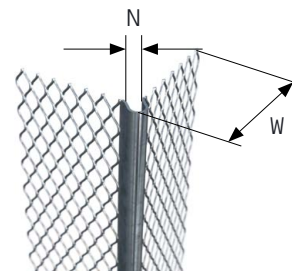
R = 3mm

P = 3mm

P = 6mm

3mm PLASTER THICKNESS

6mm PLASTER THICKNESS



Micromesh Angle Bead

MM

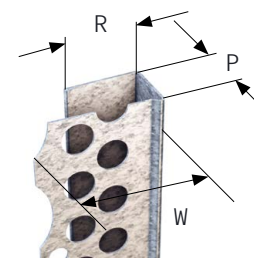
2.4m, 3.0m LENGTHS

50 LENGTHS/PACK

N = 3.5mm WIDE

W = 25mm

6mm PLASTER THICKNESS



Plasterboard Edging Bead

PBEB 10

PBEB 13

PBEB 15

3.0m LENGTH

3.0m LENGTH

3.0m LENGTH

50 LENGTHS/PACK

50 LENGTHS/PACK

50 LENGTHS/PACK

W = 25mm

W = 25mm

W = 25mm

R = 12mm

R = 10mm

R = 9mm

P = 9.5mm

P = 12.5mm

P = 14.5mm

2mm PLASTER THICKNESS

2mm PLASTER THICKNESS

2mm PLASTER THICKNESS

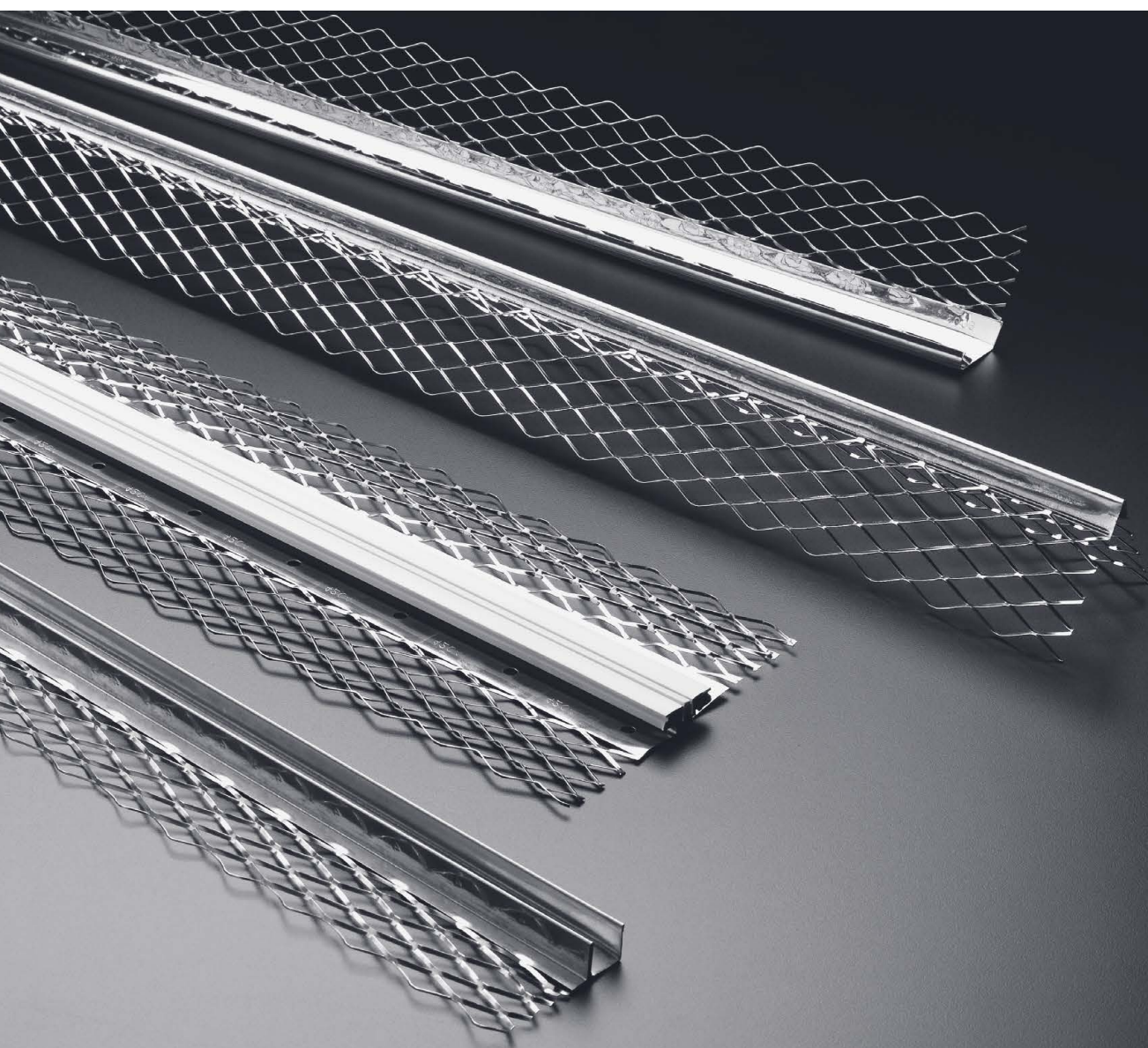


Galvanised beads

To be used for internal application only. To help prevent corrosion and speed up the drying time, please ensure sufficient ventilation.

External Render Beads

Our range of stainless steel and PVCu plaster bead is designed for use in external applications and conditions where heavy condensation, persistent damp or regular exposure to moisture are likely.

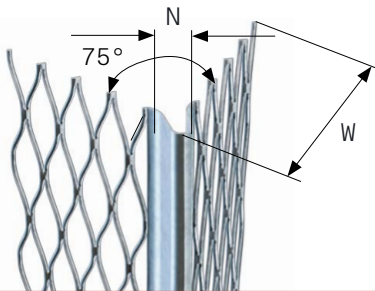


Stainless Steel Beads



Angle Beads

Provides true and straight corners which are resistant to chipping and cracking giving strength and protection against everyday knocks.



Standard Angle Bead

STD 3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

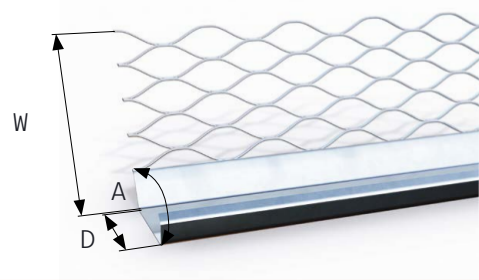
N = 5mm

W = 53mm

12-19mm RENDER THICKNESS

Renderstop Bead

Used to obtain a neat, bell cast lower edge to external finishes and helps to protect masonry against run-off water.



Renderstop Bead

RS3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

W = 48mm WIDE

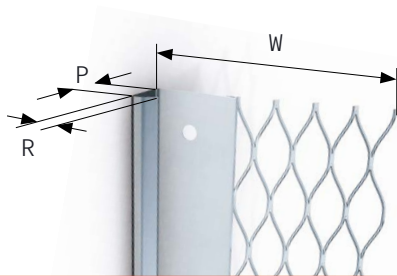
D = 25mm

A = 120°

19mm RENDER THICKNESS

Plasterstop Beads

Provides clean, neat edges at openings or abutments onto other wall surfaces or ceiling finishes.



Plasterstop Bead

PS10/3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

W = 58mm

R = 3mm

P = 10mm

10mm RENDER THICKNESS

PS13/3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

W = 55mm

R = 3mm

P = 13mm

13mm RENDER THICKNESS

PS16/3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

W = 60mm

R = 3mm

P = 16mm

16mm RENDER THICKNESS

PS19/3.0/SS

3.0m LENGTH

50, 10 LENGTHS/PACK

W = 57mm

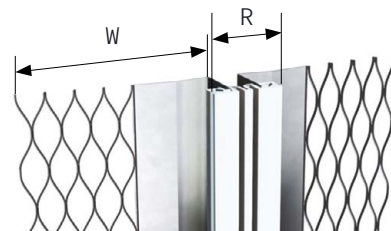
R = 3mm

P = 19mm

19mm RENDER THICKNESS

Movement Beads

Allows for movement between adjoining surfaces resulting in differential expansion and expansion within the plaster/rendered area. Allows movement of +/- 3mm. Movement Beads should be installed at no greater than 5m intervals. Movement Beads should not be used over structural movement/control joints.



Movement Bead

MB10SS

3.0m LENGTH

10 LENGTHS/PACK

W = 58mm

R = 25mm

12mm RENDER THICKNESS

MB13SS

3.0m LENGTH

10 LENGTHS/PACK

W = 55mm

R = 25mm

15mm RENDER THICKNESS

MB16SS

3.0m LENGTH

10 LENGTHS/PACK

W = 60mm

R = 25mm

18mm RENDER THICKNESS

MB19SS

3.0m LENGTH

10 LENGTHS/PACK

W = 25mm

R = 25mm

21mm RENDER THICKNESS



Quality

Manufactured from Stainless Steel to BS EN 10088-2: 2014-1.4016. All beads shown are manufactured in accordance with BS EN 13658-2:2005.

PVCu Plaster Beads

Catnic PVCu plaster beads provide all the benefits of traditional metal beads, but with the added advantages of being light, rigid, non-corrosive and easy to use, providing a cost-effective way to comply with the latest regulations whilst offering an elegant solution for the perfect finish.

Features of PVCu plaster beads

Designed as an economical alternative to stainless steel, PVCu beads are designed to be used externally, where galvanised beads are not recommended, and internally in areas where high moisture or damp exist.

PVCu beads put a stop to the need for remedial work on internal applications where staining can sometimes be found with the use of galvanised beads as a result of prolonged drying out.

Material

Manufactured from virgin unplasticised polyvinyl chloride (PVCu) which is impact-resistant, external window grade and UV stable.

- Eliminates cold-bridging
- Will not deteriorate during the lifetime of the coating

High Durability

- Non-corrosive
- Impact resistant
- Withstands most site damage
- Exterior grade UV resistant
- Unaffected by weathering
- Chemical attack resistant

Ease of Use

- Simple to install
- Easy to cut
- Lightweight and safe handling
- No sharp edges to cause injury

Excellent Adhesion

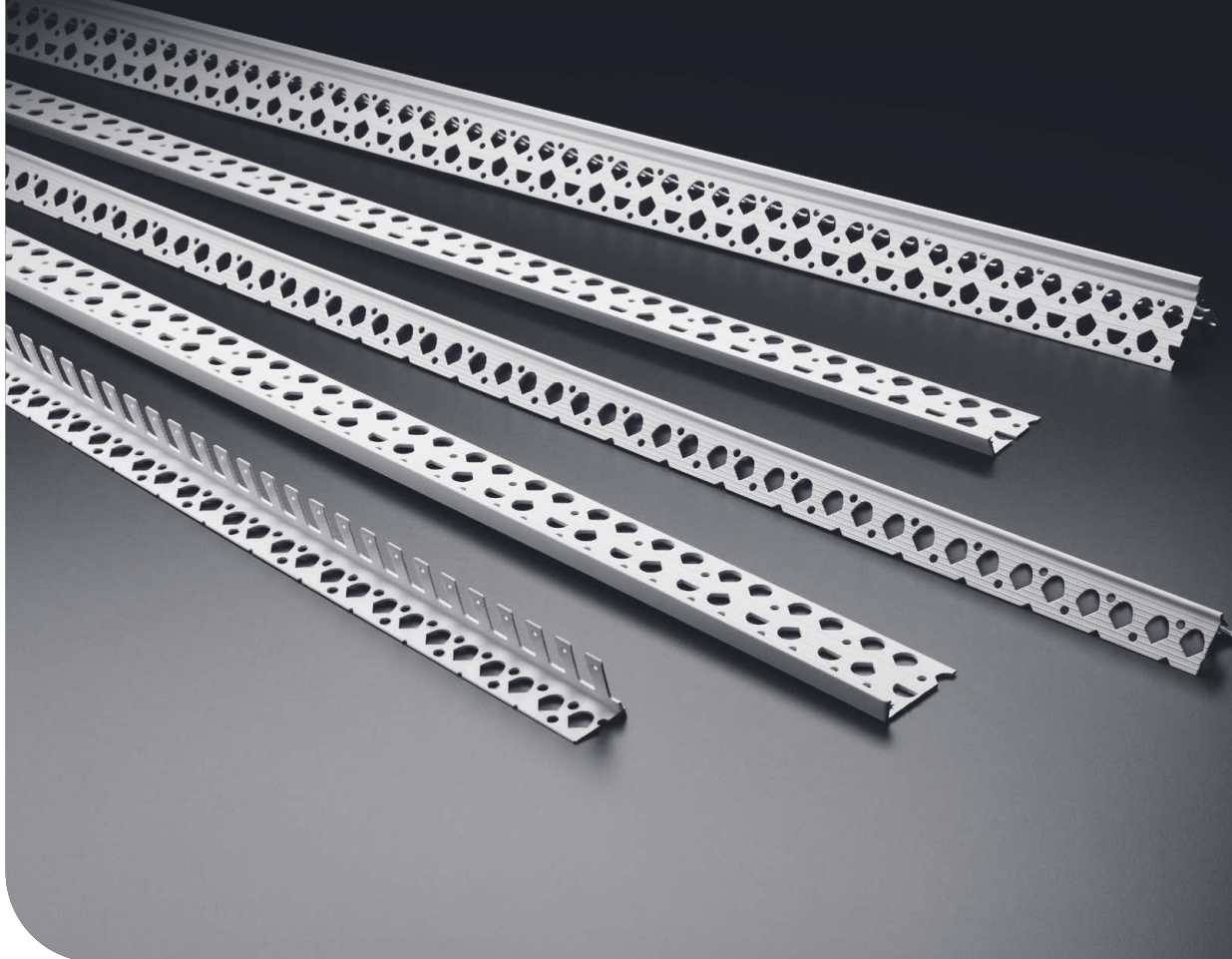
- Precision engineered perforation pattern
- 0.25mm high ribs at regular intervals
- Pro-Grip™ adhesion system for a stronger bond



Pro-Grip™

The range of PVCu Plasterer's beads from Catnic come complete with the Pro-Grip™ innovative adhesion system for a stronger bond.

Tiny grooves engineered into the face of the bead, ribs and undercut perforations increasing the surface area creating a stronger bond with the plaster or render. The Pro-Grip™ adhesion system prevents slippage often found with traditional PVCu beads, thus increasing the speed of application.



How to Install



Internal Applications

Secure beads with plaster dabs or stainless steel staples every 600mm. When fixing, care should be taken not to distort the beads. In damp environments use only adhesive mortar dabs to secure.



External Applications

Use only adhesive mortar dabs to secure. Non-stainless mechanical pre-fixings should be removed before rendering. Beads used in a vertical plane plumb straight and dub out where necessary. Horizontal beads ideally should be set on a continuous bed of adhesive mortar. When used in Thermal Insulation Systems, please observe the system specifications.

Use fine toothed hacksaw or tin snips when cutting to length. PVCu Pipe Weld adhesive can be used for butt joints in conjunction with link pegs where required. Beads may be easily butted together using plastic link pegs (available for purchase on request). Store flat, away from heat and direct sun.

Catnic's PVCu Beads conform to BS EN 13914-1: 2016.

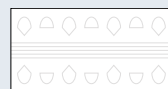
Colours

Catnic offer a great range of colours to suit a variety of plastering and render applications giving flexibility for both new build and refurbishment projects.

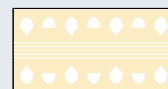
N.B. All colours are matched as closely as manufacturing and printing techniques allow.

Need another colour?

Simply supply us with a RAL number and Catnic can match PVCu Beads to suit any render or plaster colour.*



White
RAL 9003



Ivory
RAL 1015



Terracotta
RAL 8203



Grey
RAL 7037



Brown
RAL 8014



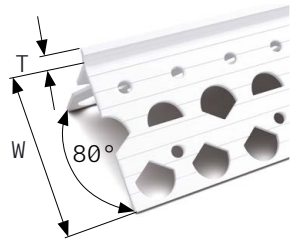
Black
RAL 9005

*Terms and conditions apply.

PVCu Plaster Beads

Angle Beads

For use on all plastered and rendered corners where a true, sharp corner is required. Its strong rigid arris protects and reinforces plaster where it is most vulnerable.

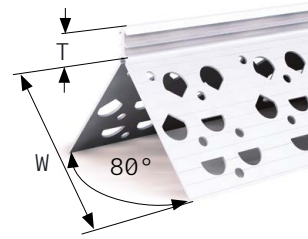


PVCu Angle Beads			
PAB10/2.5	PAB12/2.5*	PAB15/2.5	PAB20/2.5*
2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH
50 LENGTHS/PACK	40 LENGTHS/PACK	30 LENGTHS/PACK	30 LENGTHS/PACK
T = 10mm	T = 12mm	T = 15mm	T = 19mm
W = 40mm	W = 40mm	W = 40mm	W = 40mm
8-10mm PLASTER THICKNESS	8-12mm PLASTER THICKNESS	13-15mm PLASTER THICKNESS	16-19mm PLASTER THICKNESS

*MADE TO ORDER

PVCu Twin Nose Angle Beads

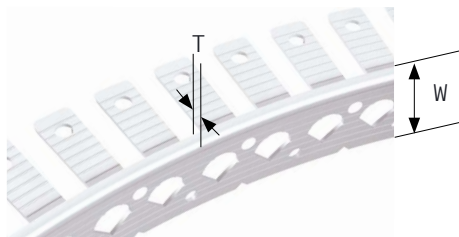
Designed for twin-coat render work. The first nose acts as a gauge for a scratch coat and the second nose acts as a depth gauge for the finishing coat.



PVCu Twin Nose Angle Beads	
PTN12/2.5	
2.5m LENGTH	30 LENGTHS/PACK
T = 12mm	W = 56mm
8-12mm PLASTER THICKNESS	

PVCu Thin Coat Arch Beads

Readily bends to create curves and arch forms for decorative plaster requirements in thin coat and dry-lining applications.

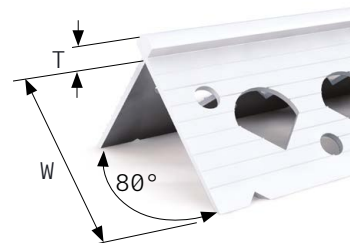


PVCu Arch Beads	
PAR03/2.5*	
2.5m LENGTHS	50 LENGTHS/PACK
T = 3mm	W = 24mm
3mm PLASTER THICKNESS	

*MADE TO ORDER

PVCu Thin Coat Angle Beads

Provides a true, clean corner for plasterboard or any smooth background. Protects and reinforces plasterboard joints to minimise cracking.

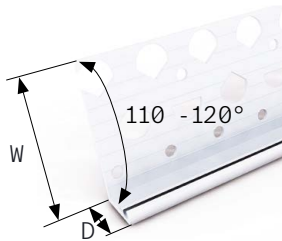


PVCu Thin Coat Angle Beads	
PAB03/2.5	
2.5m LENGTH	50 LENGTHS/PACK
T = 3mm	W = 24mm
3mm PLASTER THICKNESS	

PVCu Plaster Beads

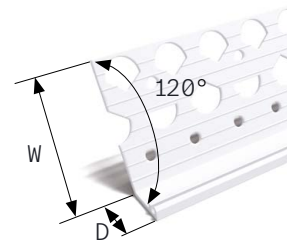
PVCu Drip Beads

Used above doors, windows and at DPC level offering a profile flush with the rest of the render. The Drip Bead prevents the retention of water that can often bring staining at the bottom of the render.



PVCu Renderstop Bead (Bell Cast Bead)

Designed to deliver a gentle gradient at the base of the render, it is used above doors, windows and at DPC level to allow rainwater to drain clear of the underlying substrate.



PVCu Drip Beads				PVCu Bell Cast Beads	
PDB08/2.5	PDB10/2.5	PDC16/2.5	PDB19/2.5	PBC15/2.5*	PBC20/2.5
2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH
50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK
D = 8mm	D = 10mm	D = 15mm	D = 20mm	D = 20mm	D = 25mm
W = 45mm	W = 45mm	W = 45mm	W = 45mm	W = 45mm	W = 45mm
8mm PLASTER THICKNESS	10mm PLASTER THICKNESS	16mm PLASTER THICKNESS	19mm PLASTER THICKNESS	10-16mm PLASTER THICKNESS	20-22mm PLASTER THICKNESS
				*MADE TO ORDER	

PVCu Movement Beads

Used where the underlying substrate changes, or where minor movement in the structure beneath the render is expected. Movement beads can also be used where changes in render colour are specified. Movement beads should NOT be used over structural movement joints.

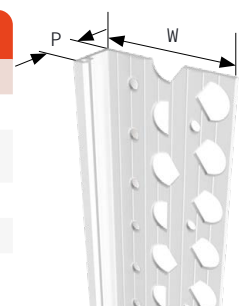
PVCu Movement Beads		
PMBS06/2.5	PMBS10/2.5*	PMBS15/2.5*
2.5m LENGTH	2.5m LENGTH	2.5m LENGTH
25 LENGTHS/PACK	25 LENGTHS/PACK	25 LENGTHS/PACK
W = 28mm	W = 28mm	W = 28mm
R = 6mm	R = 10mm	R = 15mm
6mm PLASTER THICKNESS	10mm PLASTER THICKNESS	15mm PLASTER THICKNESS
*MADE TO ORDER		



PVCu Plasterstop Beads

Used on door and window openings also at base of wall and ceiling level. Designed to deliver a clean edge, they protect and finish plaster and render edges.

PVCu Plasterstop Beads				
PPS08/2.5	PPS10/2.5	PPS15/2.5	PPS20/2.5	PWW15/2.5
2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH	2.5m LENGTH
50 LENGTHS / PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK	50 LENGTHS/ PACK
W = 45mm	W = 45mm	W = 45mm	W = 45mm	W = 58mm
P = 8mm	P = 10mm	P = 15mm	P = 20mm	P = 15mm
8-10mm PLASTER THICKNESS	10-12mm PLASTER THICKNESS	15-17mm PLASTER THICKNESS	20-22mm PLASTER THICKNESS	15mm PLASTER THICKNESS



Expanded Metal Lath

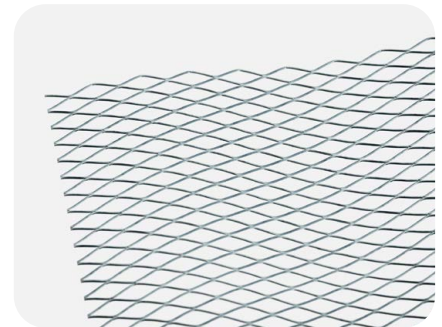
Catnic offer a range of metal lath and mesh products for plastering applications; our expanded metal lath provides a secure key for many plaster and render applications including joint and crack reinforcement work whilst our mesh products provide masonry reinforcement.

Diamond Lath

Extensively used as a background to plaster in order to reinforce against cracks and it is especially useful at joints of dissimilar materials. Generally DL089 and DL111 expanded metal laths are used for walls while DL161 is used for ceiling applications.

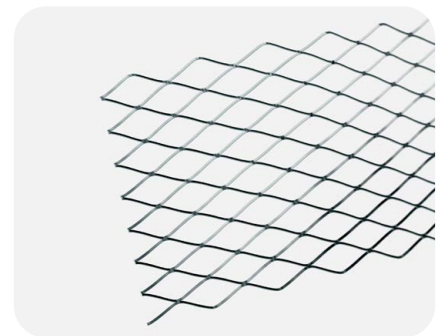
Sheet Lath

REFERENCE	QUANTITY / PACK	WEIGHT (kg/m ²)	MATERIAL	SHEET SIZE (mm)
DL089	10	0.9	GALVANISED STEEL	2500 X 700
DL111	10	1.11	GALVANISED STEEL	2500 X 700
DL161	10	1.61	GALVANISED STEEL	2500 X 700
DL111S	1	1.11	STAINLESS STEEL	2500 X 700



Coil Lath

REFERENCE	WEIGHT (kg/m ²)	WIDTH (mm)	MATERIAL	LENGTH (m)
CL021/100/100	1.11	100	GALVANISED STEEL	100
CL021/150/100	1.11	150	GALVANISED STEEL	100
CL021/200/100	1.11	200	GALVANISED STEEL	100



Quality

Manufactured from galvanised steel to BS EN 10346: 2015 – DX51D+Z275 or Stainless Steel to BS EN 10088-2: 2014-1.4016. All products shown are manufactured in accordance with BS EN 13658: 2005. Metal Lath - Definitions, Requirements, Test Methods. Part 1 for Internal Plastering. Part 2 for External Plastering.



Installing Diamond & Coil Lath

Catnic Diamond Lath may be fixed by:

- Nailing into cast-in block background with washers over the lathing
- Screwing into plugs in drilled holes with washers over the lathing
- Expanded type screw fixings with washers over the lathing
- Wiring to prefixed channel sections, angles or cleats
- Using screwed fixings
- Battening out using preserved timber battens with the lath fixed as described below.

Fixing to Timber Supports

For horizontal work, Catnic Diamond Lath should be fixed with the length of the sheet running across the timber supports with all the strands sloping in the same direction. Supports should be at centres not exceeding 350mm.

Vertical work should be fixed with all strands sloping downwards and away from the finish face. Using nails or staples, start at the centre of a sheet and nail to each successive support working along the mid-line of the sheet towards its edges. The nails or staples should be driven in at an angle pointing away from the sheet centre thereby providing tension to the sheet as they are applied.

Fixing should then be completed from the centre to the top and bottom sides starting at the central support and nailing at 100mm centres, maximum. Ends of Catnic Diamond lath should be lapped over supports not less than 100mm and wired together at 150mm centres. Sides should be lapped not less than 100mm and tied with tying wire at approximately 150mm centres.

Fixing to Steel Channel

The lath should be fixed to steel channel using 1.22mm soft galvanized steel tying wires at not more than 100mm centres. The tie should be made by forming a hairpin at the end of a length of wire, the length being at least twice the depth of the runner. The hairpin should be pushed bend first up through the lath, close to one side of the runner and pulled back with one leg of the wire on either side of the runner. Both strands of wire should be pulled taut and given a few twists with top cutters before cutting any surplus wire. The twist may then be pushed flat against the lath. Required tension in the sheet may be achieved by passing the leg of the hairpin to one side or the other of the lath junctions in accordance with the direction of the desired tension. Continue installation as for timber supports.

Notes

Nails (BS 1202: Part 1), staples and wire for fixing lath should be manufactured from galvanized or stainless steel. Nails for fixing to timber battens should be 38mm long with a 7mm head.

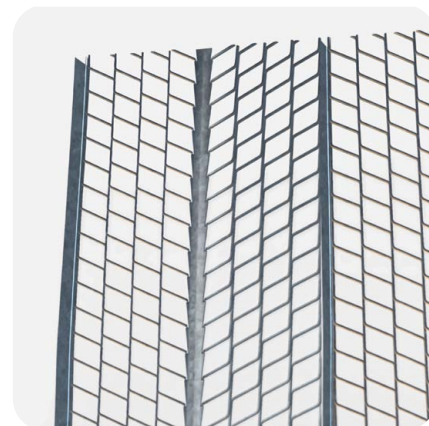
Alternatively, 32 x 2mm staples may also be used if preferred. If fitting with nails, screws or proprietary screwed fixings, spacers should be inserted behind the lathing to allow render flow through.

Rib Lath

Rib Lath

Extensively used as a plaster background for ceilings, walls and partitions. Generally RIB118 and RIB148 are suitable for wall applications. For ceiling work RIB184 or RIB222 should be used.

Sheet Lath				
REFERENCE	WEIGHT (kg/m ²)	MATERIAL	SIZE (mm)	RIB HEIGHT (mm)
RIB118	1.36	GALVANISED STEEL	2500 X 600	10
RIB148	1.53	GALVANISED STEEL	2500 X 600	10
RIB184	1.84	GALVANISED STEEL	2500 X 600	10
RIB222	2.22	GALVANISED STEEL	2500 X 600	10
RIB148S	1.48	STAINLESS STEEL	2500 X 600	10
RIB184S	1.84	GALVANISED STEEL	2500 X 600	10



Installing Rib Lath

Catnic Rib Lath may be fixed to a solid background using proprietary fixings suitable for holding the sheets firmly in place. The edge ribs should be nested with the apex of the rib in contact with the background and fixed to the background at 150mm centres. Sheet ends should overlap by at least 100mm.

A row of fixings should be applied at 600mm horizontal spacing, starting 350mm in from the sheet ends and 200mm in from each of the top and bottom sides (for horizontally positioned sheets).

Fixing to Timber Supports Rib lath should be fixed with the ribs running at right angles to the supports with the apex of the rib in contact with the support ensuring the spans do not exceed 600mm. The lath should be fixed to timber grounds using a nail or staple driven through every rib where it crosses each support.

Fixing to Steel Channel

When fixing to steel channel, use 1.63mm or two strands of 1.22mm soft galvanized steel wire tied around the rib where it crosses each support.

Lap ends of lathing over supports not less than 100mm and wire together with 1.63mm tying wire. Stainless steel tie wire should be used with stainless steel lath. Where laps between supports cannot be avoided, lap ends not less than 100mm and secure each pair of ribs together with two rows of 1.63mm tie wire at approximately 100mm centres.

Sides of adjoining Rib Lath sheets should be pressed together with the edge rib of each sheet nested and tied with 1.22mm tying wire or punch fixed at centres no greater than 150mm.

Quality

Galvanised Rib Lath shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015-DX51D+Z275.

Stainless Rib Lath shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using stainless steel to BS EN 10088-2:2014-1.4016.

Refurbishment of Masonry

Stainless steel rib lath is ideal for refurbishing damaged or aged masonry walls, when a key for rendering is not certain due to disintegration or softening of the wall face. Lath should be fixed with apexes of ribs against the wall, edge ribs of the sheets nesting into each other should be wire-tied every 15cm and ends of sheets should be lapped not less than 2.5cm and nesting ribs securely tied together.

Stainless steel fixings should be used at sufficient intervals to hold the lath firmly in position.

Coil Mesh for Non-structural Usage

Expanded metal type bed joint reinforcement is supplied as an anti-crack reinforcement in the design and construction of brick and block masonry.

It is generally provided at areas of high stress concentration to dissipate these stresses to areas of low stress. A typical example would be at a point where the section of wall changes, such as at a door or window opening.

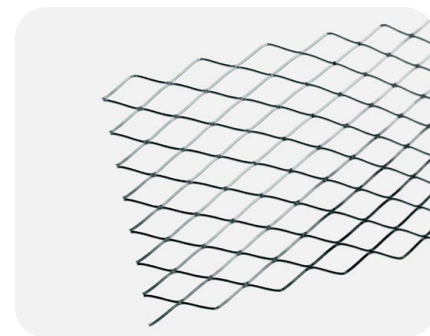
The cracking of masonry due to changes in temperature, changes in moisture content and settlement of foundations can all be controlled by the use of block reinforcement.

Coil Mesh - Galvanised

REFERENCE	WALL WIDTH (mm)	COIL WIDTH (mm)	COIL LENGTH (m)
CM 64/20	114	64	20
CM 114/20	164	114	20
CM 178/20	228	178	20
CM 229/20	279	229	20
CM 305/20	355	305	20

Coil Mesh - Stainless Steel

REFERENCE	WALL WIDTH (mm)	COIL WIDTH (mm)	COIL LENGTH (m)
CM 64/20/SS	114	64	20
CM 114/20/SS	164	114	20
CM 178/20/SS	228	178	20
CM 229/20/SS	279	229	20
CM 305/20/SS	355	305	20



Installing Coil Mesh

The coil mesh is laid in strips between brick or block courses leaving approximately 25mm clearance from the faces of the work. Where coil mesh joints are required, ensure they overlap by at least 75mm.

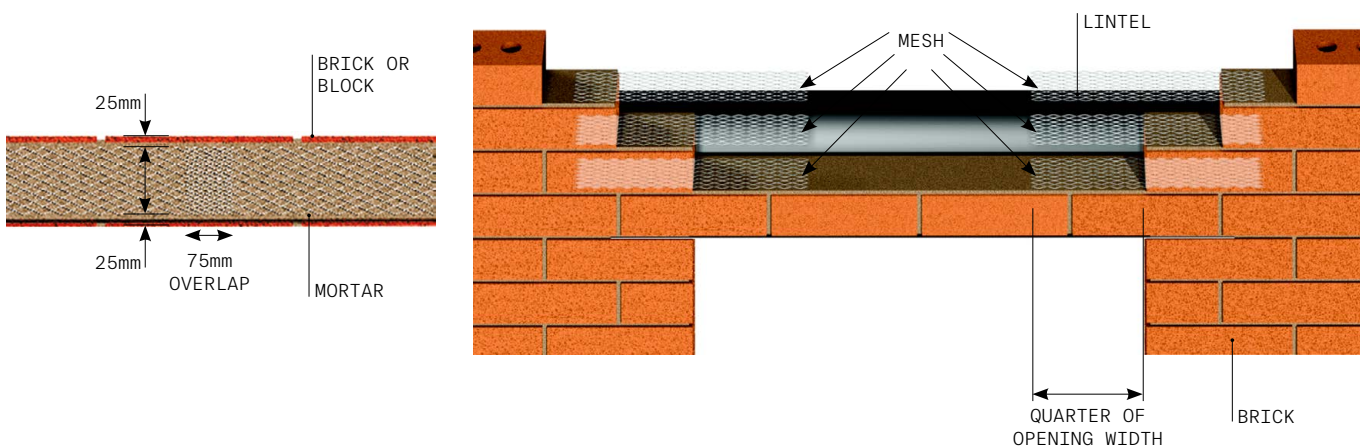
The reinforcement is then simply embedded in the mortar for the next course.

In most instances, application every third course, for the full length of the wall, will be sufficient.

To reinforce brickwork at an opening, e.g. window or door, mesh should be installed to overlap part of the opening, and part of the solid wall.

Thinking of the width of the opening, lay the mesh approximately a quarter of the way across the opening. The mesh should lie the same distance again, across the solid wall.

Above windows or doors, install Catnic mesh for 2-3 courses, starting from the course above the lintel as shown below.



Wall Accessories

Catnic provides a comprehensive range of wall accessories, including wall connectors and wall ties. Wall connectors are a simple yet effective system for tying new masonry walls to existing walls, all Catnic wall ties are manufactured from high quality stainless steel wire and strip materials to ensure that structural design properties are maintained throughout the life of the structure.

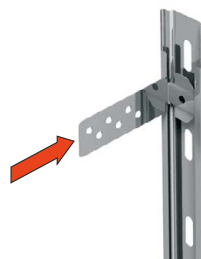
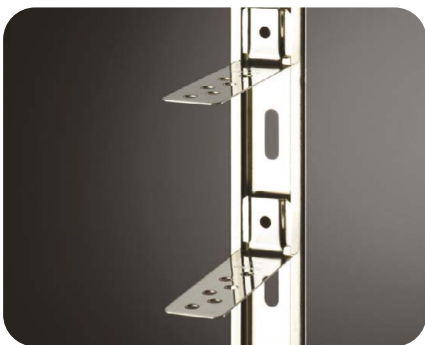
Wall Starter Kits - Stronghold

- Adjustable ties for flexibility in coursing.
- Manufactured from stainless steel.
- Universal application up to 250mm wall thickness.
- All necessary fixings included.



Stronghold

PRODUCT CODE	DESCRIPTION	PRODUCT STYLE	QTY/BOX	WALL THICKNESS (mm)	MATERIAL	USE
SWC	STRONGHOLD	ADJUSTABLE TIES	20	60 - 250	STAINLESS STEEL	INTERNAL & EXTERNAL



INSERT



TWIST



SLIDE

The fixing mechanism

Ties on the Stronghold wall starter kit are inserted into the channel and twisted 90°.

To allow flexibility in brick/block coursing heights Stronghold ties slide up and down the channel to lie horizontally in the mortar joint of the new wall.

Installing Stronghold Wall Starter Kit

Expanded metal type bed joint reinforcement is supplied as an anti-crack reinforcement in the design and construction of brick and block masonry.

1. Prepare existing wall by removing any rendered or pebble dashed finishing to ensure that the wall starter is fixed directly to the existing masonry.
2. Offer the lower starter to the existing wall, at the centre of the new wall, ensuring the fixing positions avoid mortar joints. Plumb the starter and mark the positions of the fixing holes. If necessary, use the alternative fixing positions. (i.e. 450 and 600).
3. Drill and plug the existing masonry using a 10mm masonry drill. (Plugs, coach screws and washers are provided). **See diagram i.**
4. Lightly clamp the lower starter to the masonry at the two lower fixing positions only using the coach screws and washers provided. **See diagram ii.**
5. Slot the second starter into the lower starter overlap. (If required, reduce the starter length by cutting one end only). Repeat steps 3, 4 and 5 for the upper section. **See diagrams iii, iv and v.**
6. Align both starters and tighten all coach screws. Do not over-tighten.
7. Lay brickwork or blockwork for the new wall in the conventional way, with a full mortar joint between the existing and the new walls. Install wall starter ties into the wall starter by twisting and sliding into position at a maximum of 300mm centres.
8. The ties should be bedded into the mortar and another bed applied over the top.
9. The ties should be completely surrounded with mortar. **See diagram v.**
10. For external cavity walls proceed as before, but ensure bottom edge of the wall starter is above the damp-proof course. The vertical joint between existing wall and the outer leaf of the new wall should be weather sealed with a pre-compressed sealing strip or polymer based sealant.

Tools required

- Spirit level
- Drill (with 10mm masonry bit)
- 10mm socket spanner



Diagram i.



Diagram ii.



Diagram iii.



Diagram iv.



Diagram v.

Notes

In line with Building Regulations, reference should be made to your local authority since additional weather proofing may be required, e.g. a vertical damp-proof course cut into the existing wall.

Stainless Steel Strip

Wall Ties

All Catnic wall ties are manufactured from high quality stainless steel wire and strip materials to ensure that structural design and properties are maintained throughout the life cycle of the structure.

BB-2

LENGTH	WIDTH	CAVITY WIDTH	PACKING
191mm	19mm	50mm	CARTONS OF 250
		DD140 PART 2 1987 TYPE 2 REQUIREMENT	CATNIC BB-2
TENSILE LOAD (N)	AT SERVICEABILITY	500	1321
TENSILE LOAD (N)	AT FAILURE	1800	3183
COMPREHENSIVE LOAD (N)	AT SERVICEABILITY	400	552
COMPREHENSIVE LOAD (N)	AT FAILURE	1300	1300



BB-3

LENGTH	WIDTH	CAVITY WIDTH	PACKING
220mm	19mm	75mm	CARTONS OF 250
		DD140 PART 2 1987 TYPE 2 REQUIREMENT	CATNIC BB-2
TENSILE LOAD (N)	AT SERVICEABILITY	500	1529
TENSILE LOAD (N)	AT FAILURE	1800	4051
COMPREHENSIVE LOAD (N)	AT SERVICEABILITY	400	1540
COMPREHENSIVE LOAD (N)	AT FAILURE	1300	2374



Fixings

For fixing masonry to masonry in cavity walls of domestic houses and small commercial buildings of up to three storeys but not exceeding 15m in height. Tie density 2.4 ties/m². Based on a design windspeed up to 56m/s.

BT 2-4

LENGTH	WIDTH	CAVITY WIDTH	PACKING
120mm	19mm	50mm	CARTONS OF 250

Fixings

For fixing masonry to timber framing in single and two storey dwellings up to a maximum height of 8m. Also suitable for block to concrete applications. Tie density and windspeed refer to BBA certificate.



Stainless Steel Strip Ties

CAVITY	DESIGN	TIE SIZE (mm)	SPECIFY	DD140: PART 2	WIND SPEED
50mm	3 STOREYS UP TO 15m	0.6 X 19 X 191	BB-2	TYPE 2	UP TO 56m/s
50mm	5 STOREYS UP TO 15m	0.8 X 19 X 220	BB-3	TYPE 2	UP TO 56m/s
50mm	4 STOREYS UP TO 12m	0.6 X 19 X 120	BT 2-4		UP TO 50m/s



Quality

Catnic Wall Ties are manufactured from stainless steel in accordance with BS EN 10088-2: 2014 (strip), BS EN 10088-3: 2023-1.4310 (wire).

Wall Accessories

Stainless Steel Wire Wall Ties

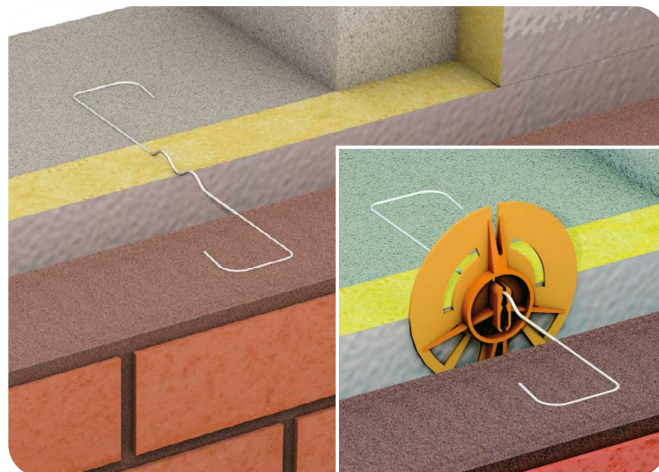
Catnic's WT4 wall tie secures two leaves of a cavity wall to each other allowing them to act as a single structure.

Quality Assurance

All Catnic wall ties are manufactured using high quality stainless steel wire in accordance with BS EN 10088-3: 2023-1.4310 and are tested in accordance with BS EN 846-6: 2012

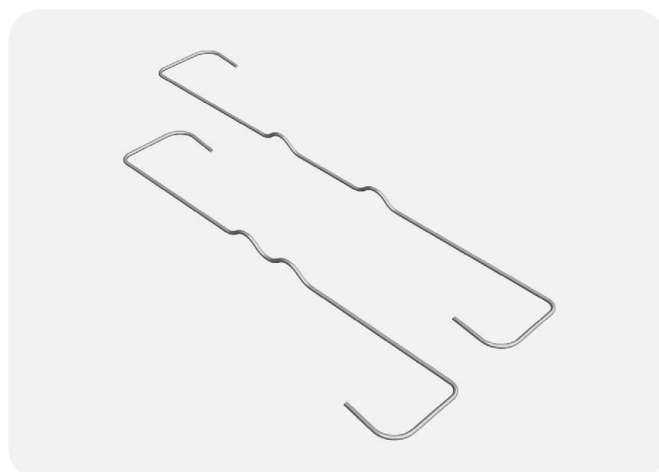
Cavity wall ties provide stability to masonry walls and care should be taken during installation to avoid the ingress of water to the inner skin and potential failure.

Wall ties should be installed in accordance to guidance given in BSI PD 6697: 2019



Product Data

PRODUCT CODE	LENGTH (mm)	TIE SIZE (mm)	CAVITY WIDTH (mm)	QUANTITY/PACK
WT4/200	200	2.5	50-75	250
WT4/225	225	2.5	75-100	250
WT2/200	200	3.3	50-75	250
WT2/225	225	3.3	75-100	250
LOAD DIRECTION	MAXIMUM DECLARED VALUE AT ULTIMATE LOAD (N)			
225mm TENSION READING				
TENSION				1256
COMPRESSION				557



Quality Manufacture & Responsible Sourcing

Catnic is committed to innovation and constant improvement to meet the changes in building regulations.

Leaders in Technical Innovation

Our rigid adherence to quality control & compliance is your guarantee of technical superiority.

Quality

Catnic are committed to quality control and is a BSI registered company with quality management systems in accordance with BS EN ISO 9001: 2015, which provides a set of processes that ensure:

- Clarification and documentation of policies and objectives
- Reduced waste relating to customers' requirements to production with a view to achieving customer satisfaction
- Understanding how statutory and regulatory requirements impact on Catnic and our customers
- Clear responsibilities and authorities - increasing motivation and commitment
- Consistency and traceability of products and services
- High level of internal and external communications

Environment and Sustainability

Catnic are committed to protecting the environment by minimising the impact of our operations and our products through the adoption of sustainable practices and through continuous improvement in environmental performance and control.

We're delighted to have been awarded ISO 50001 certification in 2024, recognising our commitment to continual improvement energy management, across our business.

Responsible Sourcing

We supply the widest range of construction products certified to BES 6001, the responsible sourcing standard that provides the reassurance specifiers, contractors and building owners rely on when meeting the government's requirements for sustainable development. Catnic's steel plasterbeads and expanded metal laths are the first of its type to have been certified as responsibly sourced from the iron ore supply to installation.

Using our wide range of BES6001 certified products provides a route to obtaining credits under the Responsible Sourcing of Materials sections of BREEAM, the Code for Sustainable Homes and CEEQUAL.

Certification of all our steel construction products to BES 6001 provides independent verification of our corporate responsibility, including the way we drive sustainability considerations up the supply chain to the point of raw material extraction. It delivers a method for us to benchmark and show that we are continuously improving our sustainability credentials.



Material Specifications and Clauses

Angle bead or corner bead

Galvanised angle bead shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015 with 45mm (53mm) wing size as manufactured by Catnic under code reference SS3.0 (STD3.0: WW3.0).

Stainless Angle bead shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using stainless steel to BS EN 10088-2:2014 with 53mm wing size as manufactured by Catnic under code reference STD3.0SS.

Plaster stop or casing bead

Galvanised plaster stops shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2015 using galvanised steel to BS EN 10346:2015 and to suit plaster thickness of 10mm (13mm: 16mm: 19mm) as manufactured by Catnic under code reference PS10/3.0 (PS13/3.0: PS16/3.0: PS19/3.0).

Stainless Plasterstops shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2014 using stainless steel to BS EN 10088-2:2014 and to suit plaster thickness of 10mm (13mm: 16mm: 19mm) as manufactured by Catnic under code reference PS10/3.0/SS (PS13/3.0/SS: PS16/3.0/SS: PS19/3.0/SS).

Architrave beads

Galvanised Architrave beads shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015-DX51D+Z275 and to suit plaster thickness of 10mm (13mm) without (with) return flange as manufactured by Catnic under code reference ARC10/WF/3.0 (ARC13/WF/3.0: ARC20/WF/3.0) or ARC10WO/3.0 (ARC13/WO/3.0).

Stainless Architrave beads shall be manufactured in accordance with BS EN 13658: Part 1 & 2: 2005 using stainless steel to BS EN 10088-2: 2014 and to suit plaster thickness of 10mm (13mm) without (with) return flange as manufactured by Catnic under code reference ARC10/WF/3.0/SS (ARC10/WF/3.0/SS, ARC13/WO/3.0/SS, ARC13/WF/3.0/SS, ARC20/WF/3.0/SS).

Movement bead

Galvanised Movement beads shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015 and to suit plaster thickness of 12mm (15mm: 18mm: 21mm) as manufactured by Catnic under code reference MB10/3.0 (MB13/3.0: MB16/3.0: MB19/3.0).

Stainless Movement beads shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2014 using stainless steel to BS EN 10088-2:2014 and to suit plaster thickness of 12mm (15mm: 18mm: 21mm) as manufactured by Catnic under code reference MB10/3.0/SS (MB13/3.0/SS: MB16/3.0/SS: MB19/3.0/SS).

Renderstop

Galvanised Renderstops shall be manufactured in accordance with BS EN 103658: 2008 Parts 1 & 2 using galvanised steel to BS EN 10346: 2015-DX51D+Z275 as manufactured by Catnic under code reference RS3.0.

Stainless Renderstops shall be manufactured in accordance with BS EN 13658: Part 1 & 2: 2005 using stainless steel to BS EN 10088-2: 2014 as manufactured by Catnic under code reference RS/3.0/SS.

Expanded metal lath

Galvanised Expanded metal lath shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015 and weighing 0.89kg per sq. metre (1.11kg per sq. metre: 1.61kg per sq. metre) as manufactured by Catnic under code reference DL089 (DL111: DL161).

Stainless Expanded metal lath shall be manufactured in accordance with BS EN 13658: Part 1 & 2:2005 using stainless steel to BS EN 10088-2:2014 and weighing 1.11kg per sq. metre as manufactured by Catnic under code reference DL111/SS.

Rib Lath

Galvanised Rib Lath shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2005 using galvanised steel to BS EN 10346:2015 with 10mm ribs at 100mm centres and weighing 1.36kg per sq. metre (1.53 kg per sq metre - 1.84kg per sq. metre: 2.22 per sq. metre) as manufactured by Catnic under code reference RIB118 (RIB148: RIB184: RIB222).

Stainless Rib Lath shall be manufactured in accordance with BS EN 13658:Part 1 & 2:2014 using stainless steel to BS EN 10088-2:2014 with 10mm ribs at 100mm centres and weighing 1.48kg per sq. metre (1.84kg per sq. metre) as manufactured by Catnic under code reference RIB148/SS (RIB184/SS).



catnic.com

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