PLASTERERS' ACCESSORIES

EXPAMET
BUILDING PRODUCTS

INTRODUCTION

As the brand leaders in metalwork products, Expamet understand the needs of the construction industry and are constantly striving to offer you new solutions.

Founded in 1889, we are well established and respected in the UK market place, as well as having a strong position in continental Europe and the Middle East.

Expamet have a proud tradition of innovation. We were the first company to introduce expanded metal to Europe and pioneered the introduction of metal plaster beads. We are also widely regarded as producers of the highest quality plaster beads on the market.

What's more, to increase our offering even further, we are pleased to introduce another great addition to our range – a comprehensive selection of high quality plastic beads, which you can find on page 10.

So whatever your project Expamet can service all your metalwork needs.

QUALITY PRODUCTS

- **Metal Beads**
  From angle beads to movement beads, the Expamet range offers a product for every job.
- **PVCu Beads**
  A range of beads that are designed to be easy to fix and offer long-lasting performance.
- **Metal lath**
  Quality products that are perfect for use on masonry, ceilings, suspended ceilings and timber frame buildings.
- **Arch Formers**
  Intended for internal use only, Expamet arch formers are a decorative accessory allowing the plasterer to create arches and curves in a range of different shapes.
- **Plaster Arch**
  Allows simple internal arches to be formed more easily.

QUALITY SERVICE

When you deal with Expamet you can expect the highest standards for product, support and service.

We're here to make your project go as smoothly as possible. Our fast order processing and huge stocks mean you should always be able to obtain standard products you want immediately from stock.

Our experienced technical support staff are always on hand to deal with your questions by phone, fax, e-mail or on-site.

EXPAMET BUILDING PRODUCTS

PLASTERERS' ACCESSORIES

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EXPAMET METAL BEADS

Our comprehensive bead range was introduced over 40 years ago and today we manufacture and sell more metal beads than any other single supplier – indeed, if our total bead production were laid end to end, it would stretch to the moon and back with miles to spare.

Plasterers' beads have become an indispensable part of plastering operations. Use of the appropriate beads greatly reduces the time taken in forming sharp corner joints, ends stops and other details. Moreover they offer protection and reinforcement to vulnerable plaster edges.

General installation information

- Beads should be fixed using plaster or render dabs or a suitable mechanical fixing at a maximum of 600mm centres
- Beads may be wire tied to the face of metal lathing backgrounds
- Use tinsnips or shears to cut to size
- When jointing angle beads use a dowel inserted in the nose to ensure continuity and alignment
- Avoid damage to beads when trowelling plaster or render
- Stainless steel beads are specifically designed for cement-based renders and should not be used with gypsum-based plasters unless they are specified with an approved protective finish
- Epoxy/polyester coated galvanised steel beads, with PVC nosing, are designed for external use only in sheltered or moderate environments. Similar usage restrictions also apply to the Expamet 570 Render Stop

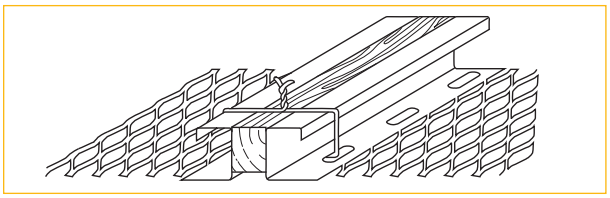
Joints in Plaster Over Building Movement Control Joints:

METHOD 1

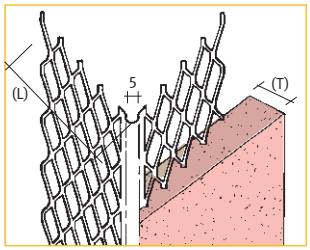
- Fix one stop bead down the side of the building movement joint, levelling with the timber grounds.
- When this bead is set, fix the second bead into position using timber inserts to control the required gap. Also levelling to the timber grounds.
- When both beads are set, remove timber inserts and complete the plastering. Fill the gap with flexible sealant.

METHOD 2

- Plaster stop beads used with insert to make a bead for building movement control joint. Use timber batten wired to beads to set up gap width. On removal of the timber batten flexible sealant can be used as required. Width of gap determined by the flexible nature of sealant and expected masonry movement.



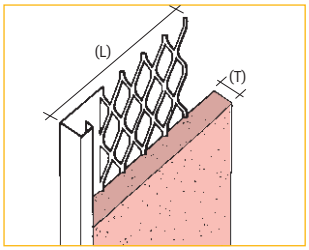
EXPAMET METAL BEADS
FOR INTERNAL USE ONLY



Galvanised Angle Bead

Ref. 550 & 558 *(Pre-Galvanised Steel)*
Provides a true, straight corner which protects and reinforces plaster where it is most vulnerable. One size adjusts for thickness.

REF	550	558
T x L (mm)	10/13 x 55	10/13 x 45
Lengths per Carton	50	50
Stock lengths	2400/2700/3000	2400/2700/3000



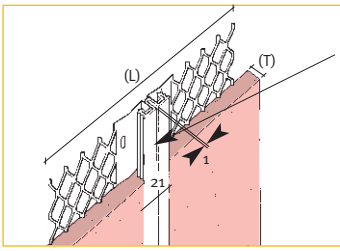
Plaster Stop Bead

Ref. 562, 563, 565 & 566 *(Pre-Galvanised Steel)*
Finishes and reinforces plaster edges.

REF	562	563	565	566
T x L (mm)	10 x 60	13 x 57	16 x 61	19 x 58
Lengths per Carton	50	50	50	50
Stock lengths	2400/3000	2400/3000	2400/3000	2400/3000

EXPAMET METAL BEADS

FOR INTERNAL USE ONLY

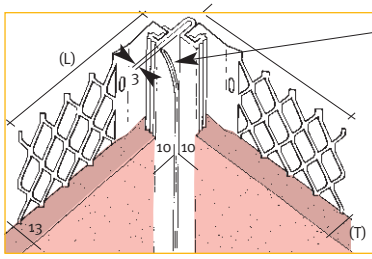


The bead consists of two lengths of galvanised Stop Bead joined by a white pvc extrusion which features a protective tape that should be removed upon completion of plastering.

Galvanised Movement Bead

Ref. 588 *(Pre-Galvanised Steel)*
Forms movement joints in plaster and render, allows for +3mm, -1mm movement.
Movement Beads should NOT be used over structural movement joints
(see page 4, Joints in Plaster Over Building Movement Control Joints).

REF	588
T x L (mm)	13 x 123
Lengths per Carton	20
Stock lengths	3000

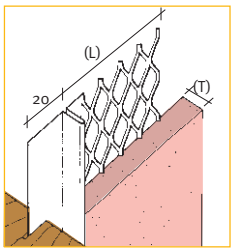


The bead consists of two lengths of galvanised Stop Bead joined by a white pvc extrusion which features a special knockout for easy installation. This knockout strip is removed at completion of plastering providing up to 3mm movement in both planes.

Corner Movement Bead

Ref. 587 *(Pre-Galvanised Steel)*
Provides up to 6mm movement in both planes.
Movement Beads should NOT be used over structural movement joints
(see page 4, Joints in Plaster Over Building Movement Control Joints).

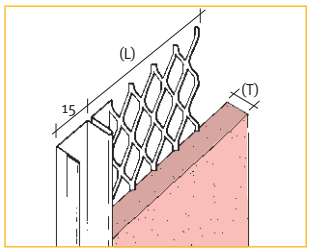
REF	587
T x L (mm)	13 x 60
Lengths per Carton	20
Stock lengths	3000



Architrave & Feature Bead (Engaging)

Ref. 586 & 580 *(Pre-Galvanised Steel)*
Creates feature at plaster edges, engaging with frame.

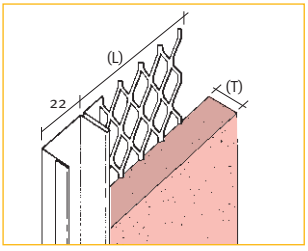
REF	586	580
T x L (mm)	10 x 52	13 x 52
Lengths per Carton	10/50	10/50
Stock lengths	3000	3000



Architrave & Feature Bead (Abutting)

Ref. 585 & 579 *(Pre-Galvanised Steel)*
Creates feature at plaster edges, abutting with frame to give a 15mm shadow gap.

REF	585	579
T x L (mm)	10 x 52	13 x 52
Lengths per Carton	10/50	10/50
Stock lengths	3000	3000



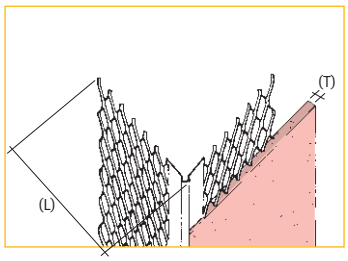
Architrave & Feature Bead (Abutting)

Ref. 581 *(Pre-Galvanised Steel)*
Creates feature at plaster edges, abutting with frame to give a 22mm shadow gap.

REF	581
T x L (mm)	13 x 52
Lengths per Carton	25
Stock lengths	3000

EXPAMET METAL BEADS

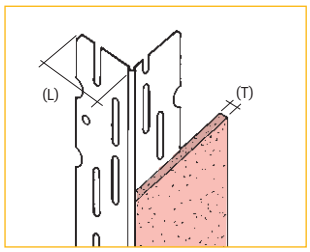
FOR THIN COAT PLASTER



Thin-Coat Expanded Small-Mesh Wing Angle Bead

Ref. 595 *(Pre-Galvanised Steel)*
The expanded mesh wings provide an excellent key for thin-coat plaster corners.

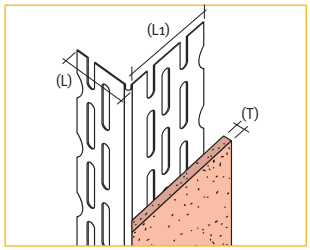
REF	595
T x L (mm)	3 x 25
Lengths per Carton	50



Thin Coat Angle Bead

Ref. 553 *(Pre-Galvanised Steel)*
For 3mm plaster finishes on plasterboard or any smooth background.

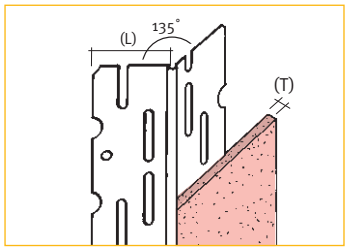
REF	553
T x L (mm)	3 x 24
Lengths per Carton	50
Stock lengths	2400/2700/3000



Extended Leg Angle Bead

Ref. 596 *(Pre-Galvanised Steel)*
To provide enhanced cover at plasterboard joints to minimise cracking.

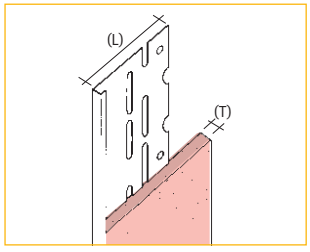
REF	596
T x L x L1(mm)	3 x 24 x 30
Lengths per Carton	50
Stock lengths	2400/3000



135° Thin-Coat Angle Bead

Ref. 597 *(Pre-Galvanised Steel)*
For 135° plasterboard corners.

REF	597
T x L (mm)	3 x 24
Lengths per Carton	10
Stock lengths	2400/3000

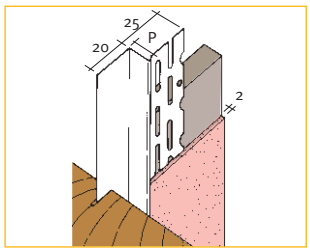


Thin-Coat Stop Bead

Ref. 560 & 561 *(Pre-Galvanised Steel)*
Finishes and reinforces edges of thin-coat plaster.

REF	560	561
T x L (mm)	3 x 28	6 x 25
Lengths per Carton	50	50
Stock lengths	2400/3000	2400/3000

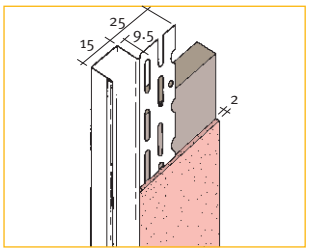
EXPAMET METAL BEADS
FOR DRY LINING



Dry Wall Feature Bead (Engaging)

Ref. 513 & 522 *(Pre-Galvanised Steel)*
Neat shadow lines and recesses can be formed around door frames, abutments and the like.

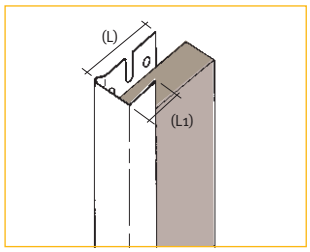
REF	513	522
Plaster Board Thickness (P)	9.5 mm	12.5
Lengths per Carton	10/50	50
Stock lengths	3000	3000

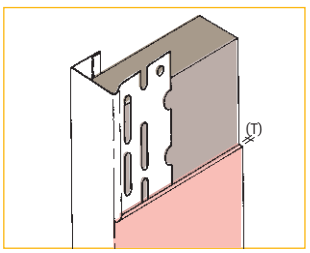


Dry Wall Feature Bead (Abutting)

Ref. 514 *(Pre-Galvanised Steel)*
Neat shadow lines and recesses can be formed around door frames, abutments and the like. This bead can be used with plasterboard thicknesses of 9.5mm, 12.5mm and 15mm.

REF	514
Plaster Board Thickness	9.5/12.5/15mm
Lengths per Carton	10/50

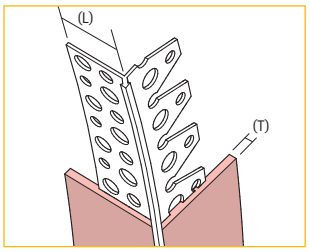




Plasterboard Edging Bead

Ref. 567, 568 & 576 *(Pre-Galvanised Steel)*
A reversible, dual-purpose bead which reinforces plasterboard edges by enclosing them in a protective steel section.

REF	567	568	576
Plaster Board Thickness	9.5mm	12.5mm	15mm
T x L x L1 (mm)	2 x 24 x 9	2 x 24 x 12.5	2 x 25.5 x 10
Lengths per Carton	50	50	50
Stock lengths	3000	3000	3000



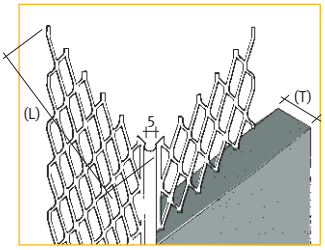
Dry Lining Arch Bead

Ref. PFB001 *(Recycled pvc)*
For creating curved and arched forms in thin-coat and dry-lining applications.

REF	PFB001
Plaster Board Thickness	3mm
T x L (mm)	3 x 25
Lengths per Carton	25

EXPAMET METAL BEADS

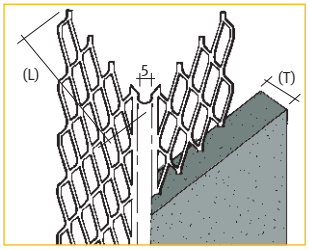
FOR EXTERNAL USE



Stainless Steel Angle Bead

Ref. 545 *(Stainless Steel)*
For external render work. One size for both thicknesses.

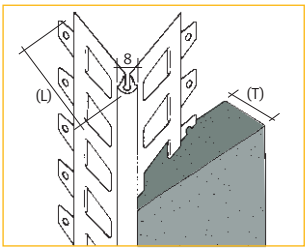
REF	545
T x L (mm)	16/20 x 64
Lengths per Carton	25
Stock lengths	3000



Stainless Steel Angle Bead (Standard Wing)

Ref. 506 *(Stainless Steel)*
For external render work. One size for both thicknesses.

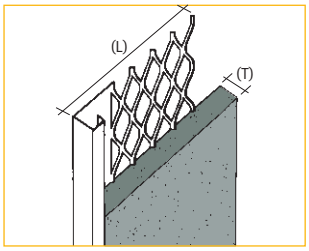
REF	506
T x L (mm)	16/20 x 53
Lengths per Carton	25
Stock lengths	3000



Angle Bead

Ref. 571 *(Pre-Galvanised and synthetically coated with pvc protective nosing)*
Protects render corners.

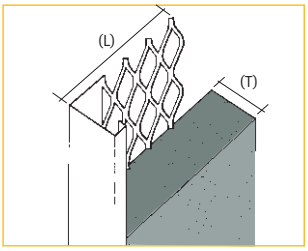
REF	571
T x L (mm)	20 x 52
Lengths per Carton	25
Stock lengths	3000



Stop Bead

Ref. 534, 533, 526 & 546 *(Stainless Steel)*
Finishes and protects render edges.

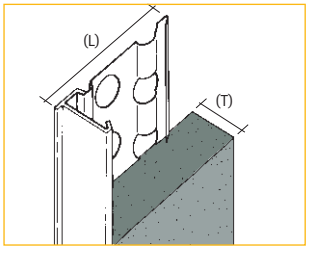
REF	534	533	526	546
T x L (mm)	10 x 60	13 x 60	16 x 61	19 x 58
Lengths per Carton	25	25	25	25
Stock lengths	3000	3000	3000	3000



Stop Bead (Standard Wing)

Ref. 509, 510, 511 & 507 *(Stainless Steel)*
Finishes and protects render edges.

REF	509	510	511	507
T x L (mm)	10 x 57	13 x 54	16 x 55	19 x 52
Lengths per Carton	25	25	25	25
Stock lengths	3000	3000	3000	3000



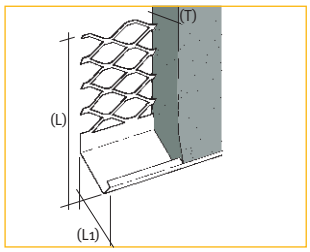
External Stop Bead

Ref. 572 *(Pre-Galvanised and synthetically coated with pvc protective nosing)*
Finishes and protects render edges.

REF	572
T x L (mm)	19/20 x 55
Lengths per Carton	25
Stock lengths	3000

EXPAMET METAL BEADS

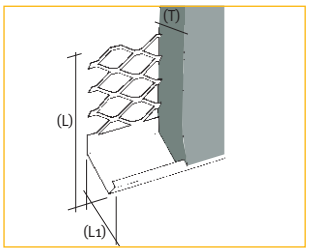
FOR EXTERNAL USE



External Render Stop

Ref. 547 *(Stainless Steel)*
Forms and protects lower edge of render.

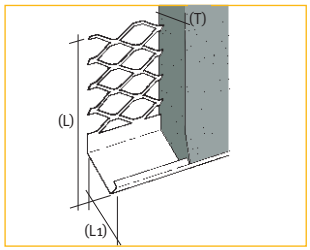
REF	547
T x L x L1 (mm)	16/20 x 65 x 25
Lengths per Carton	25
Stock lengths	3000



External Render Stop (Standard Wing)

Ref. 508 *(Stainless Steel)*
Forms and protects lower edge of render.

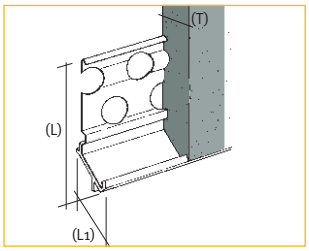
REF	508
T x L x L1	16/20 x 58 x 25
Lengths per Carton	25
Stock lengths	3000



External Render Stop

Ref. 570 *(Pre-Galvanised Steel)*
Forms and protects lower edge of render.

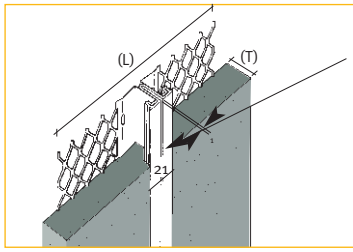
REF	570
T x L x L1	16/20 x 65 x 25
Lengths per Carton	50
Stock lengths	3000



External Stop Type 2

Ref. 573 *(Pre-Galvanised and synthetically coated with pvc protective nosing)*
Forms and protects lower edge of render.

REF	573
T x L x L1	20 x 56 x 20
Lengths per Carton	25
Stock lengths	3000

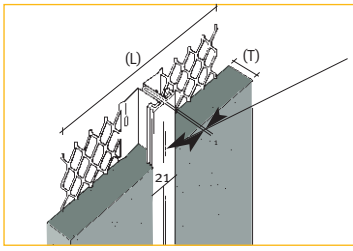


The bead consists of two lengths of galvanised steel Stop Bead joined by a white pvc extrusion which features a protective tape that should be removed upon completion of plastering.

Movement Bead

Ref. 589 & 590 *(Pre-Galvanised Steel with white pvc nosing)*
Forms movement joints in render, allows for +3mm, -1mm movement.
Movement Beads should NOT be used over structural movement joints
(see page 4, Joints in Plaster Over Building Movement Control Joints).

REF	589	590
T x L (mm)	18/19 x 125	21 x 119
Lengths per Carton	14	12
Stock lengths	3000	3000



The bead consists of two lengths of stainless steel Stop Bead joined by a white pvc extrusion which features a protective tape that should be removed upon completion of plastering.

Movement Bead

Ref. 542, 543 & 544 *(Stainless Steel with white pvc nosing)*
Forms movement joints in render, allows for +3mm, -1mm movement.
Movement Beads should NOT be used over structural movement joints
(see page 4, Joints in Plaster Over Building Movement Control Joints).

REF	542	543	544
T x L (mm)	13 x 123	16 x 123	21 x 119
Lengths per Carton	14	14	14
Stock lengths	3000	3000	3000

EXPAMET PVCu BEAD RANGE

Building on our experience and expertise with metal beads, not to mention our unrivalled understanding of the new demands of the market, Expamet are launching a complete range of quality plastic beads that offer customers a greater choice.

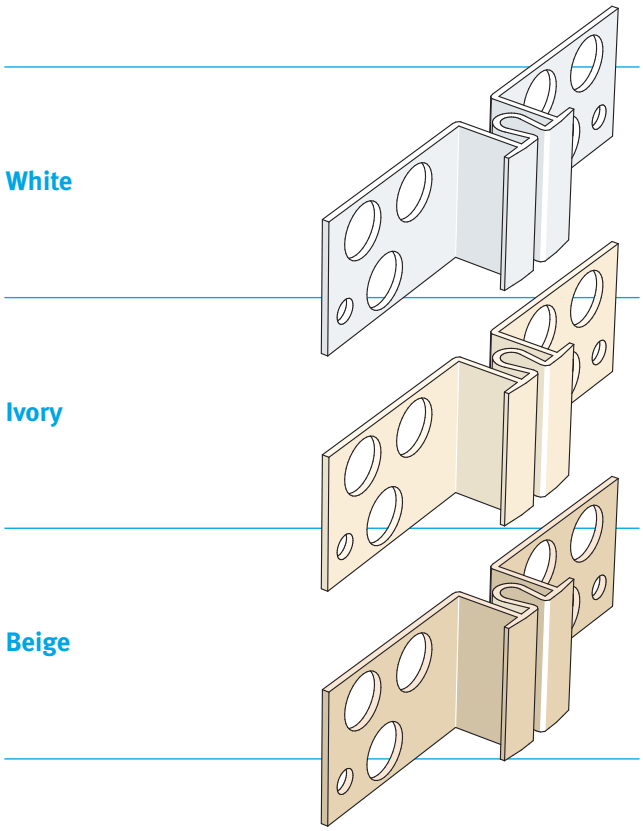
This product range provides all the benefits of traditional metal beads with the added advantages of a light flexible material, aesthetic elegance and cost effective regulatory compliance.

Key features of our PVCu beads

- Light and easy to use.
- Easy to form curves and arches.
- White – improved aesthetics – minimises impact on light coloured renders.
- Ivory and Beige – for use with coloured renders.
- Manufactured with a high percentage of reclaimed window-grade PVCu – an environmentally sound material.

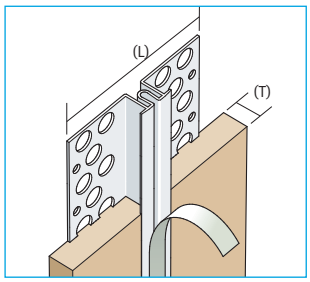
Why choose plastic?

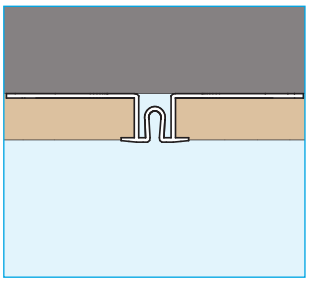
- PVCu beads are the ideal cost effective solution to British Standard compliance.
- Even when coated and sleeved the use of galvanised steel beads is restricted to non-coastal and sheltered-to-moderate exposure areas.
- PVCu beads are not recommended for use in swimming pools.



The colours shown on this page are representative of the actual colour and will vary slightly to the product due to the printing process.

EXPAMET
PVCu BEAD RANGE

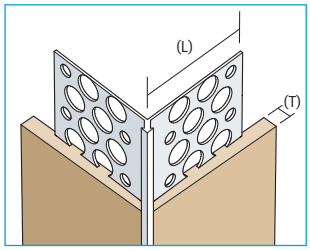


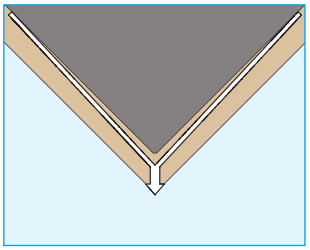


Movement Bead

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 (see page 4, Joints in Plaster Over Building Movement Control Joints).

REF	PMB010	PMB015	PMB020
Plaster Thickness (T)	10mm	15mm	20mm
Wing Length (L)	67mm	67mm	67mm
Lengths per Carton	25	25	25
Bead length	2500	2500	2500
Colours	○○●	○○●	○○●

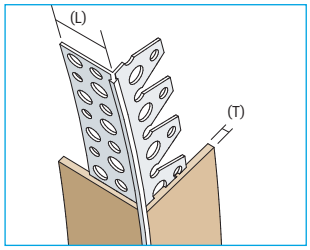


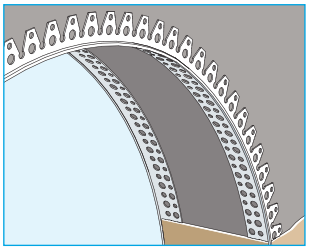


Angle Bead

For use on all plastered or rendered corners where a true, sharp corner is required. Protects and reinforces plaster where it is most vulnerable.

REF	PAB010	PAB015	PAB020	PABLL010F	PABLL020
Plaster Thickness (T)	6-10mm	13-15mm	16-20mm	6-10mm	16-20mm
Wing Length (L)	41mm	41mm	41mm	47mm	47mm
Lengths per Carton	25	25	25	25	25
Bead length	3000	3000	3000	2500	2500
Colours	○○●	○○●	○○●	○	○

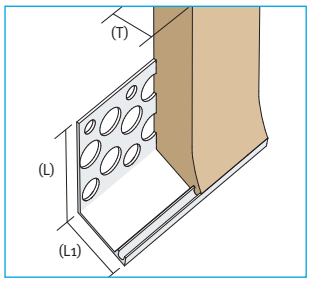


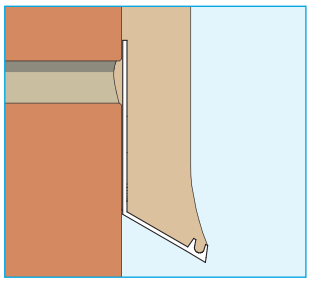


Dry Lining Arch Bead

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

REF	PFB001
Plaster Thickness (T)	3mm
Wing Length (L)	25
Lengths per Carton	25
Bead lengths	2500/3000
Colours	○

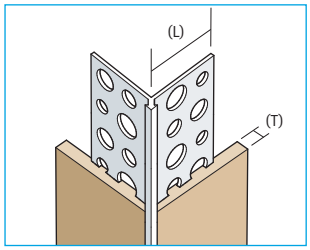


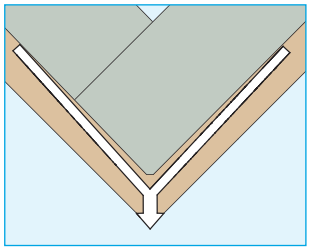


Bell Cast (Render Stop) Bead

The Render Stop (or Bell Cast bead) forms and protects the lower edge of external render. 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.

REF	PBC010	PBC015	PBC020
Plaster Thickness (T)	6 - 10mm	11 - 15mm	16 - 20mm
Wing Length (L x L1)	43 x 10mm	43 x 15mm	43 x 20mm
Lengths per Carton	25	25	25
Bead length	3000	3000	3000
Colours	○○●	○○●	○○●

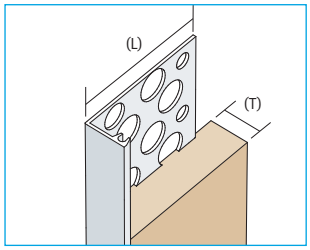


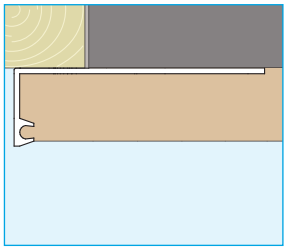


Thin Coat Angle Bead

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

REF	PTC002
Plaster Thickness (T)	3mm
Wing Length (L)	25
Lengths per Carton	25
Bead length	2500
Colours	○





Stop Bead

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.

REF	PSB010	PSB013	PSB015	PSB020
Plaster Thickness (T)	10mm	13mm	15mm	20mm
Wing Length (L)	45mm	45mm	45mm	45mm
Lengths per Carton	25	25	25	25
Bead length	3000	2500	3000	3000
Colours	○○●	○	○○●	○○●

EXPAMET METAL LATHING

Expamet have manufactured expanded metal products for over 100 years. Our current Lath range is No.1 in the UK and, through international distributors, has significant worldwide sales.

With a proven track record on all types of contract from large commercial projects through to home refurbishment, Expamet Lathing provides an excellent key for finishing materials on masonry, ceilings, suspended ceilings and timber frame buildings.

Suitable for internal or external applications Expamet Lathing is easily formed, allowing designers to create free forms such as arches, domes and vaults in a trouble-free effective manner. Expamet Lathing can also be used as a carrier for fire protection finishes to structural steelwork.

Simple to use and fix, and easy to work with, the Expamet Lathing range is designed to provide durable, effective solutions whatever kind of plastering or rendering work your job entails.

All forms provide an excellent key for plaster and render for internal and external wall finishes and suspended ceilings.

Metal laths are formed in either galvanised or stainless steel and are produced in three main forms:

- diamond patterned mesh (Expanded Metal Lathing)
- herringbone-patterned mesh with V profiled ribs (Riblath)
- ribbed mesh with tangs (Hy-Rib)

EXPAMET HY-RIB

Hy-rib is primarily used as permanent formwork for concrete shuttering. However, it can be used economically for ceiling backgrounds or any other application where long spans between supports are required.

Hy-Rib is a deep ribbed galvanised mesh with tangs for plaster and render applications and as a carrier for fire protection materials (stainless steel Hy-Rib is available in grade 304 and 316).

The profile of Hy-Rib open mesh in combination with its ribs provide an inherently stiff sheet along its length. Bearers can be spaced up to 1500mm apart and it can be used for both flat and curved surfaces. Hy-rib is available in three thickness grades; each with a distinctive coloured stripe inside the rib to aid identification (see table).

Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Rib Depth (mm)	Maximum Centres of Support (mm)
2811	0.4	3.39	21	900
2611	0.5	4.23	21	1200
2411	0.75	6.34	21	1500

Hy-Rib Sheet Identification

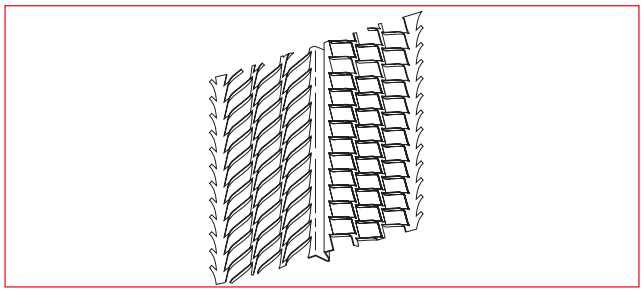


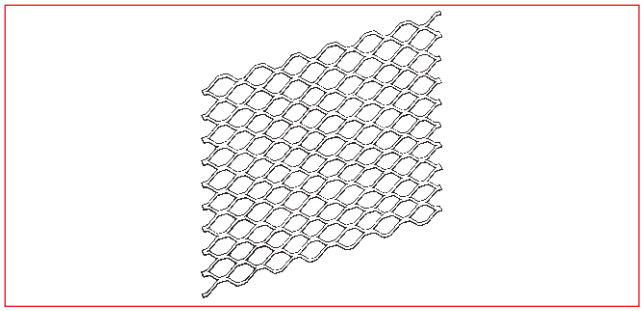
	Width (outer rib centres)
2 Rib	89mm
3 Rib	178mm
4 Rib	267mm
5 Rib	356mm
6 Rib	445mm

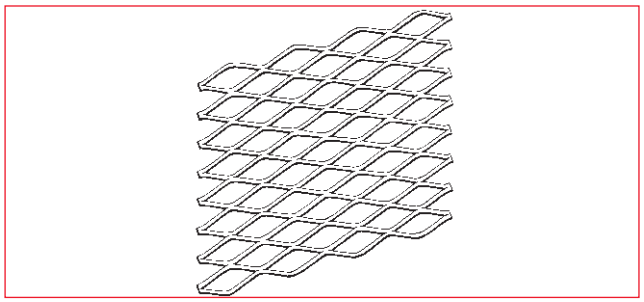
Expamet Hy-Rib® sheet lengths: 2.0m, 3.0m, 4.0m, 5.0m.
Other lengths can be made to special order.
Expamet Hy-Rib® depth: 20.8mm

EXPAMET METAL LATHING

FOR INTERNAL USE







Riblath

269 – To carry lightweight plasters on a solid background.
271 – To carry sand/cement plaster and lightweight plaster on support systems or ceilings.

Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Rib Depth (mm)	Maximum Centres of support (mm)	Sheet Size (mm)
269	0.4	1.66	8	600	2500 x 600
271	0.5	1.86	8	600	2500 x 600

Expanded Metal Lathing

BB263 – Provides a key for lightweight plasters over small openings and chases.
BB264 – Carrier for lightweight plaster finishes on walls and ceilings.
BB265 – General plaster reinforcement.

Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Mesh Size SW (mm)	Maximum fixing Centres (mm)	Sheet Size (mm)
263	0.500	1.11	9	300	2500 x 700
264	0.725	1.61	9	350	2500 x 700

Heavy Duty Expanded Metal Lathing

94G – For use with heavyweight plasters eg. Barium based.

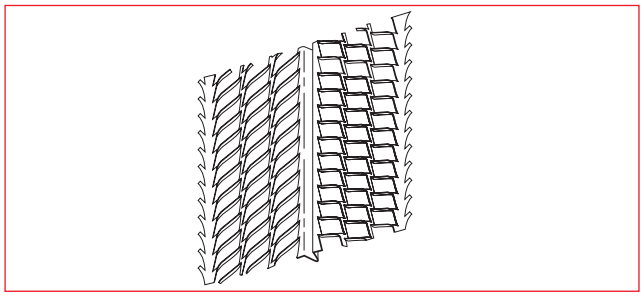
Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Mesh Size (mm)	Maximum Centres of support (mm)	Sheet Size (mm)
94G*	0.95	2.50	9.5 x 28.6	450	2500 x 700

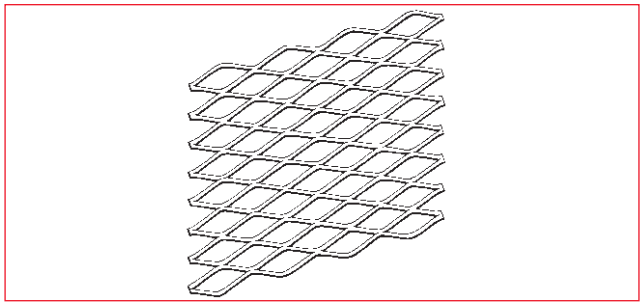
Fixings

Ref.	Type	Size (mm)	Unit
HIS/50	Stainless Steel Hammer Screws	50 x 6 Ø	100 / Box
HIG/50	Zinc Plated Hammer Screws	50 x 6 Ø	100 / Box
TY2S	Stainless Steel Tying Wire - approx. length 180m	1.22 Ø	2kg Coil
TY05G	Galvanised Steel Tying Wire - approx. length 50m	1.22 Ø	0.5kg Coil
SCN/38	Stainless Steel Clout Nails - approx. qty. 1750 no	38 x 2.65 Ø	5kg Box

Note: Allow for 30 - 35 fixings per sheet of Riblath or Expanded Metal Lathing.

FOR EXTERNAL USE





Riblath

267 – Stainless steel carrier for all rendered finishes.
274 – Red-Rib – Pre-galvanised carrier of render only to be used in sheltered/moderate exposure away from the coast.
Pre-galvanised steel DX51D + Z450 to BS EN 10346:2009

Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Rib Depth (mm)	Maximum Centres of support (mm)	Sheet Size (mm)
267	0.3	1.16	8	600	2500 x 600
274	0.5	1.93	8	600	2500 x 600

Expanded Metal Lathing

95S – Stainless steel carrier for render finishes.

Ref.	Material Thickness (mm)	Nominal Weight kg/m²	Mesh Size SWxLW (mm)	Maximum fixing Centres (mm)	Sheet Size (mm)
95S	0.460	1.15	9.2x28.6	350	2500x700

EXPAMET METAL LATHING

INSTALLATION INSTRUCTIONS

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.
- To connect to timber grounds use 38x2mm plasterer's nails or galvanised staples at 100mm centres. Start at the centre of the sheet and work out towards the edges, always fix at an angle (see fig 1 & 2) to allow lath to be pulled tight.
- To fix to steel channels, tie with 1.22mm tying wire at 100mm centres. Tie as illustrated (see fig 3) 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.

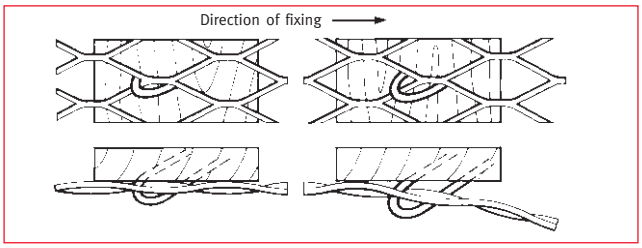


Fig. 1

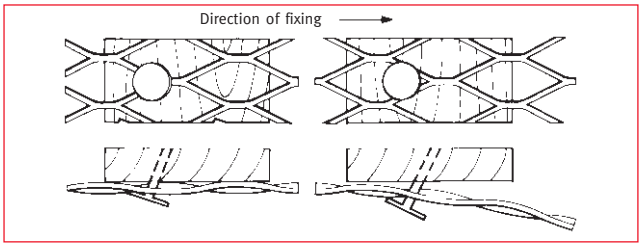


Fig. 2

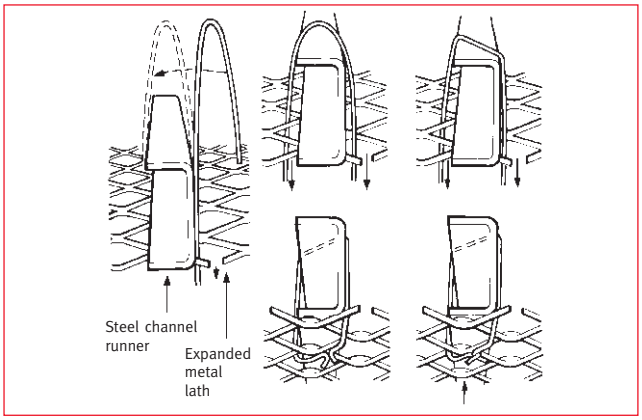
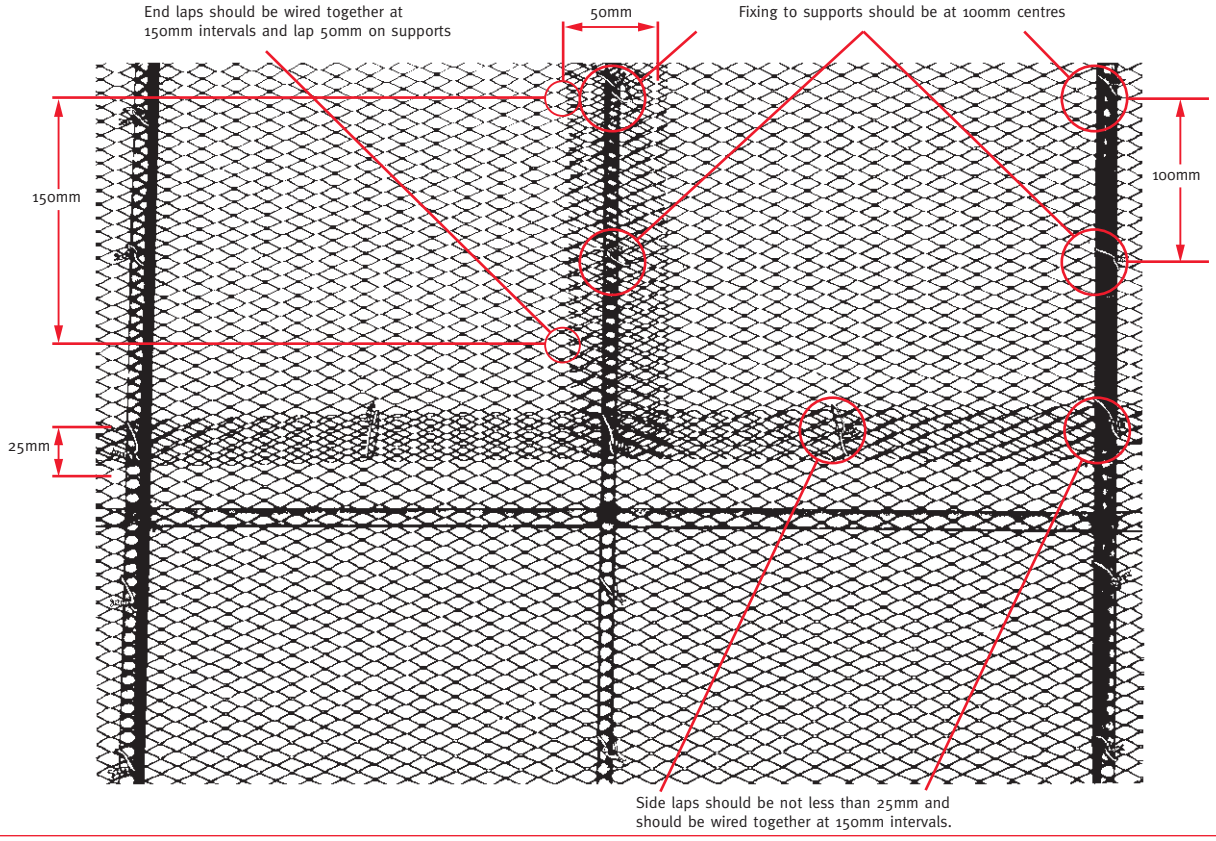


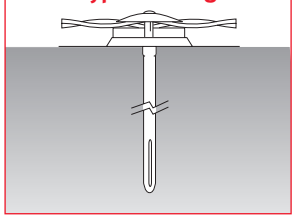
Fig. 3

Fig. 4 General fixing information for fixing to metal/timber supports.



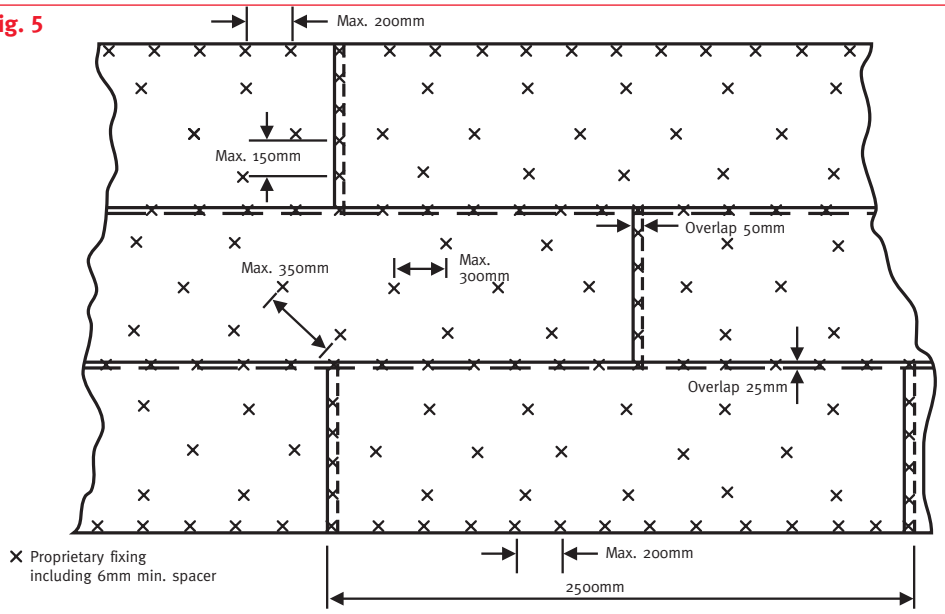
Fixing Expanded Metal Lathing to solid vertical backgrounds. See fig 5.

Typical Fixing



Typical fixing with integral spacer and large diameter headed nail.

Fig. 5



Fixing Riblath to Metal or Timber Supports

- Riblath is fixed at each rib to timber grounds using the same fixings as Expanded Metal Lathing. Use 1.63mm or two strands of 1.22mm galvanised mild steel wire or stainless steel tying wire to secure to steel supports – see fig A. Ribs should run at right angles to supports with the apex of the rib in contact with the support.
- When joining Riblath sheets overlap the edge ribs and tie the edges with 1.22mm tying wire at 150mm centres as illustrated (fig B & C). Ensure the end joint occurs in front of a support and overlap by 50mm, if it does not then overlap sheets by 100mm and provide two 1.63mm wire ties per rib overlap.
- Always fix so that plaster or render is applied correctly as shown in fig D.

Fixing Riblath to vertical solid backgrounds.

Proprietary fixings should be used to hold the ribs of the lath firmly against the background, see fig E.

Where Riblath is fixed with the ribs running vertically, fixings should be made through all ribs at 600mm centres.

Stainless Steel fixings for Riblath 267

Ref.	Material	Application	Material	Size (mm)
HIS50	Hammer in Screws	Combined stainless steel screw and plug for brick, concrete and	Stainless Steel	6 x 50

Timber studs at max. 600mm centres

Steel studs at max. 600mm centres

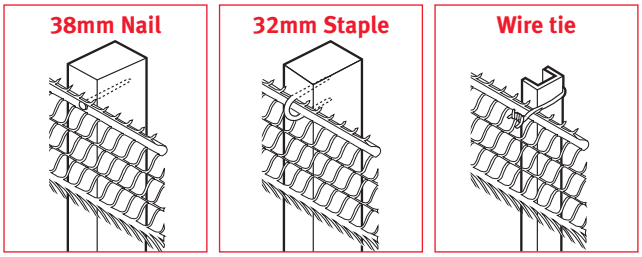


Fig. A

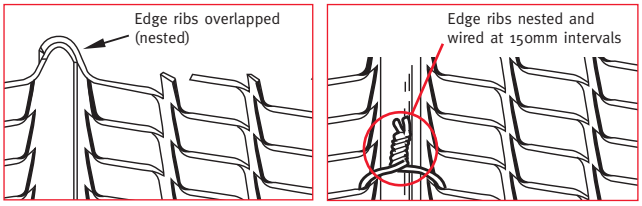


Fig.B **Fig. C**

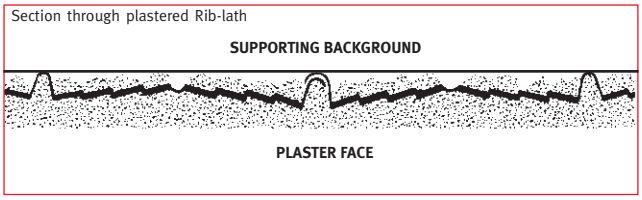
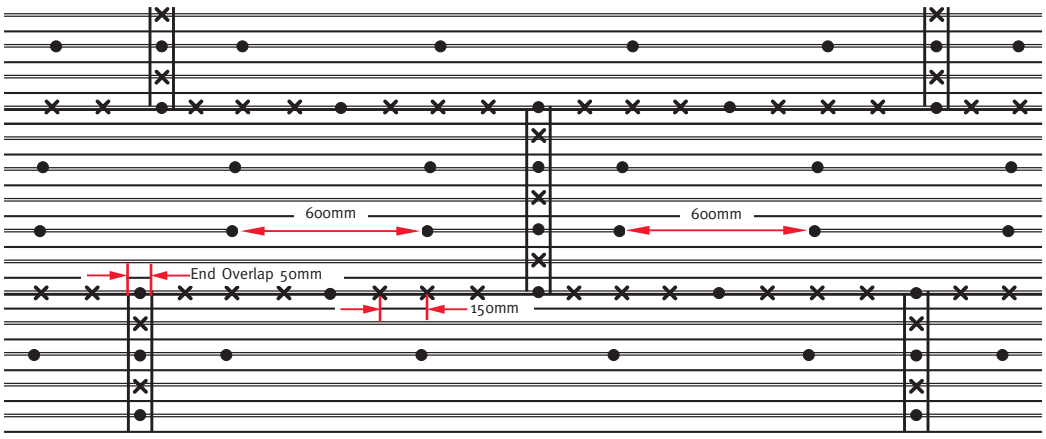


Fig. D

Fig. E TYPICAL FIXING TO VERTICAL SOLID BACKGROUNDS.

● Fixing location

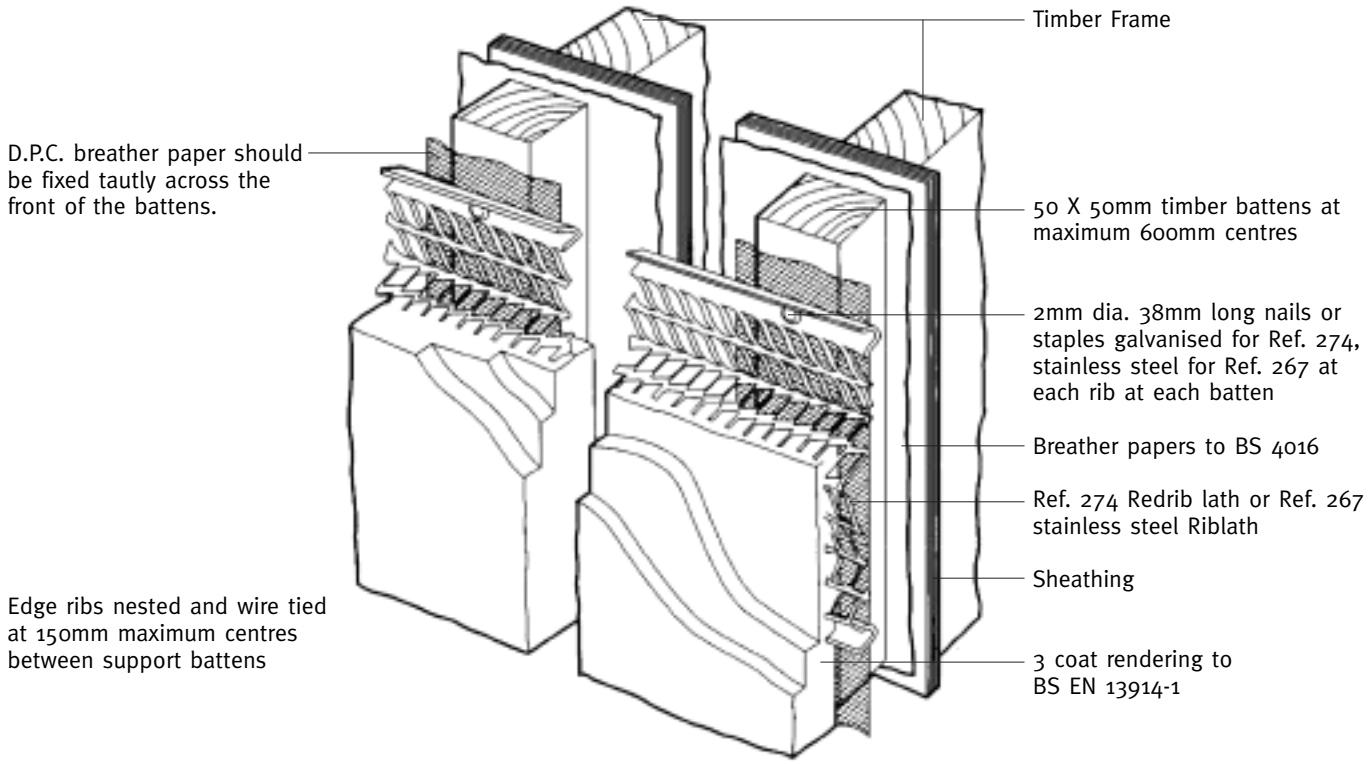
× 1.2mm wire tie or screw location



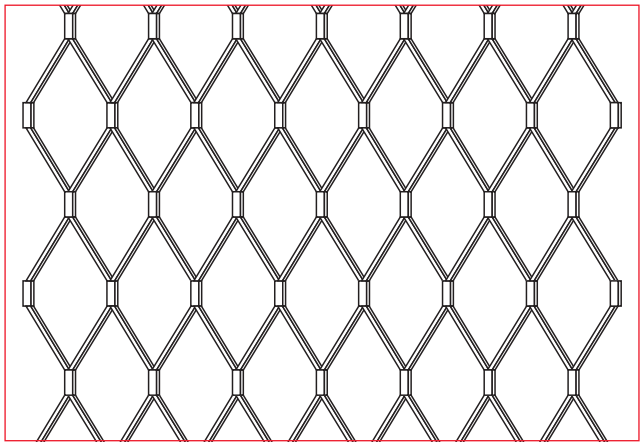
EXPAMET RIBLATH

FIXING TO EXTERNAL TIMBER FRAME CONSTRUCTION

- MOVEMENT JOINTS: Provide movement joints through the render, Riblath and battens at each storey height and at a maximum 5m spacing horizontally.
- The illustration below is for guidance only for fixing the Riblath. Detailing of the supporting structure is the responsibility of the designer.
- For timber frame detail design refer to advice and regulations issued by the NHBC, TRADA and current Building Regulations.



EXPAMET EXMET



Expamet Exmet

Galvanised mesh reinforcement for internal plastering over wall chases.

Ref.	Material	Coil Width (mm)	Coil Length (m)	Gauge (mm)	Qty per bundle
76320	Galvanised	65	20	0.4	5
76420	Galvanised	115	20	0.4	5
76520	Galvanised	175	20	0.4	1
76620	Galvanised	225	20	0.4	1
76720	Galvanised	305	20	0.5	1
76340	Galvanised	65	40	0.4	5
76440	Galvanised	115	40	0.4	5

GENERAL NOTES
FOR EXPAMET BEADS & LATHS

- Where galvanised materials are used, the drying out period for the plaster or render must be kept to a minimum to prevent the possibility of corrosion of the steel.
- The customer must ensure that the application environment and finishing materials are compatible with the bead and lath materials.
- Ensure that all the metal components used in a given installation are of the same material type.
- All materials should be stored under cover in dry conditions, off the ground, kept flat and protected from accidental damage.
- Always wear gloves when cutting or handling to prevent injury from sharp edges.
- Proprietary fixings should be used. If in doubt contact the fixings manufacturer to ensure your fixings are suitable for the background.

- National Building Specifications are:

  M20 – Local plaster and render reinforcement, metal angle beads, screed beads and plaster stops.

  M30 – Metal mesh lathing/anchored reinforcement for plaster coatings.

- Specifiers must ensure that the resulting finish will be suitable for the intended application. For design and specification information refer to the British Standards listed and manufacturers' literature.
- Relevant Standards are:

  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 13914 - 1: 2005 – Design, preparation and application of external rendering and internal plastering, Part 1: External rendering.

  BS EN 13914 - 2: 2005 – 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 Plasters.

- Steel types:
  Pre-Galvanised Steel DX51D+Z275 to BSEN 10346:2009

  Stainless Steel 1.4301 to BSEN 10088-1

Technical Information for specific Expamet bead and lath applications are available for:

– Fixing EML/Riblath to solid backgrounds and over insulation.
– Fixing EML/Riblath to timber frame backgrounds.
– Curved Suspended Ceilings.

EXPAMET ARCH FORMERS

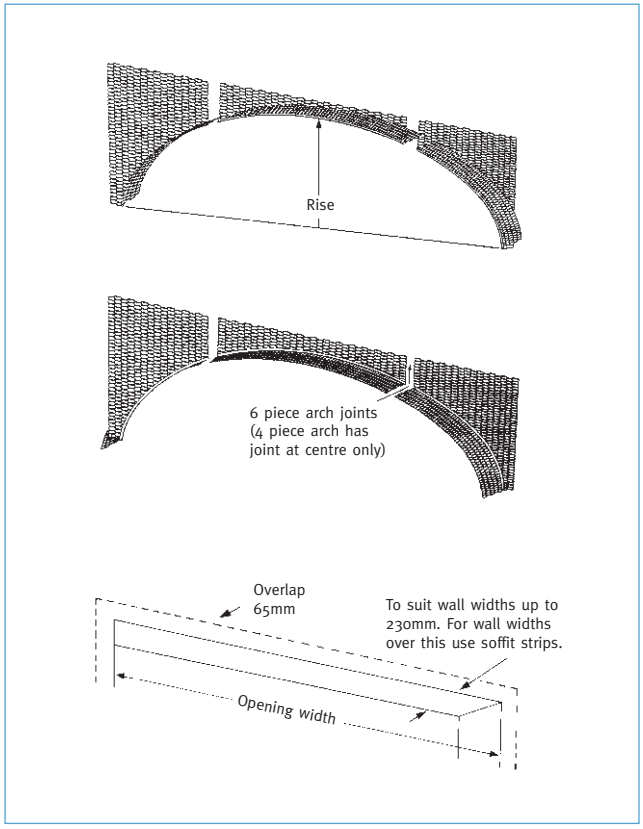
Metal Arch Formers

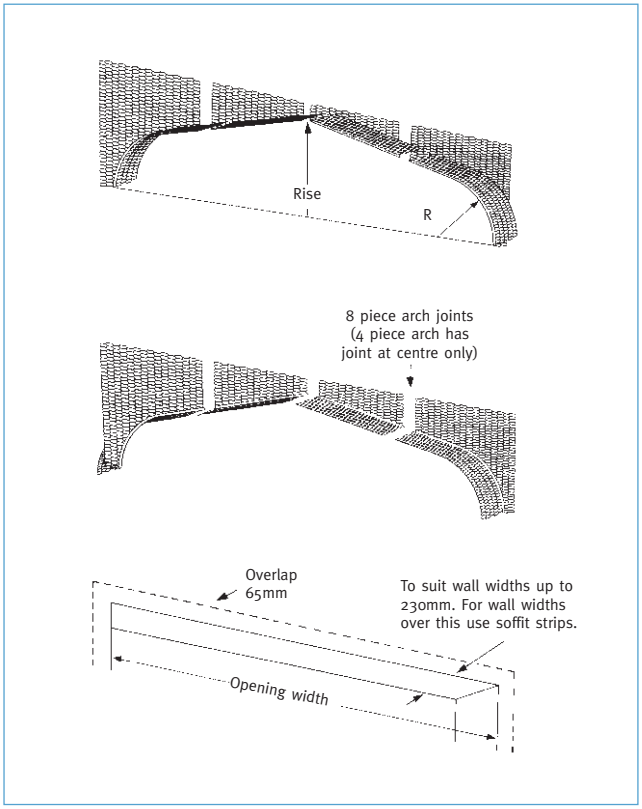
Expamet Arch Formers add elegance and style to any home. Suitable for a wide range of openings, and available in an attractive range of shapes, they allow housebuilders, designers, refurbishers and DIY enthusiasts to create distinctive, decorative arches with ease and speed. Manufactured from tough pre-galvanised steel, the strength and rigidity for a quality finish is assured by the parallel strand mesh. The special downward and inward angling of the horizontal strands ensures an excellent plaster key.

Intended for internal use only, Expamet arch formers are a decorative accessory allowing the plasterer to create arches and curves in a range of different shapes.

Unique PVC nosing

No other Arch Former range has Expamet's unique PVC nosing. It simply clips into place to cover the metal and provides a continuous edge – an edge that you can follow to create a more accurate, professional finish when plastering.





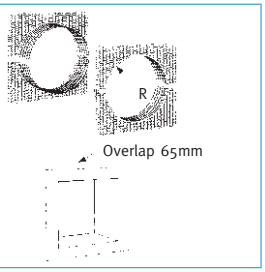
Elliptical

Ref.	Structural Opening Width (mm)	Finished Rise (mm)	Number of Parts
EEL48	1220	340	4
EEL54	1370	360	4
EEL60	1520	380	4
EEL72	1830	410	6
EEL84	2130	430	6
EEL96	2440	440	6
EEL120	3050	520	6

Spandrel

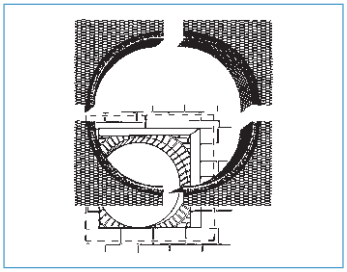
Ref.	Structural Opening Width (mm)	Finished Radius R (mm)	Rise (mm)	Number of Parts
ESP30	760	180	220	4
ESP36	910	180	240	4
ESP48	1220	230	290	4
ESP60	1520	230	330	4
ESP72	1830	230	360	4
ESP84	2130	230	370	4
ESP96	2440	230	390	8
ESP120	3050	230	440	8

EXPAMET ARCH FORMERS



Bullseye

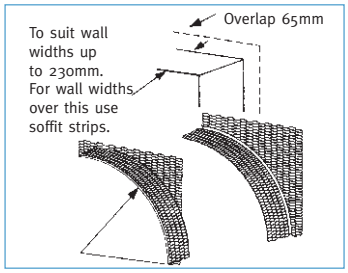
Ref.	Structural Opening Width (mm)	Finished Radius	Number of Parts
BE18	460	222	4



Internal Liners for Circular Windows

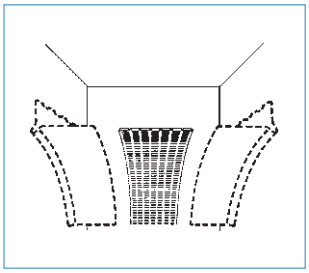
Ref.	Opening Width (mm)	Finished Diameter (mm)	Number of Parts
WBE24	610	594	8*

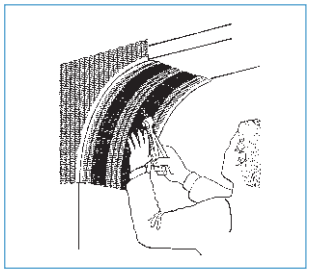
*includes additional soffit strips for deeper recesses



Arch Corner

Ref.	Finished Radius (R) mm	Number of Parts
EAC15	372	2
EAC18	452	2
EAC24	602	2
EAC30	752	2

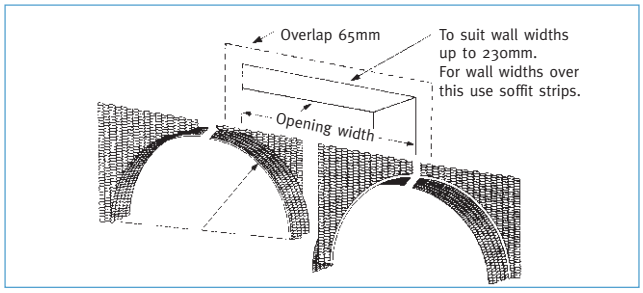




Lath Soffit Strip

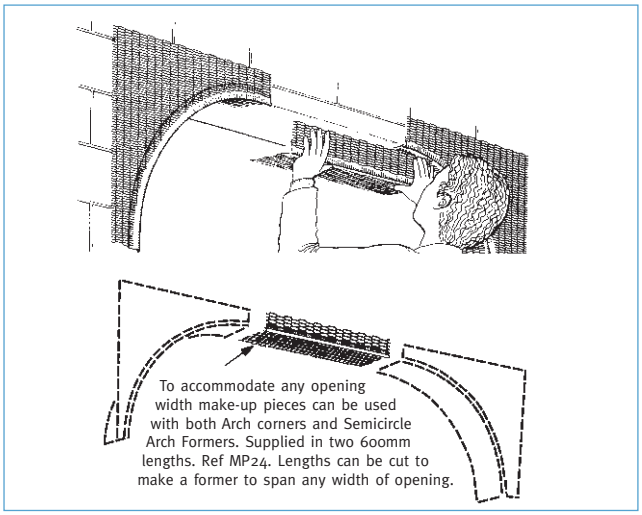
Supplied as a coil

Ref.	Length (mm)	Width (mm)
LSS6	1830	155



Semicircle

Ref.	Structural Opening Width (mm)	Finished Radius (R) mm	Number of Parts
ESC30	760	372	4
ESC32	810	397	4
ESC33	840	412	4
ESC36	920	452	4
ESC48	1220	602	4
ESC60	1520	752	4

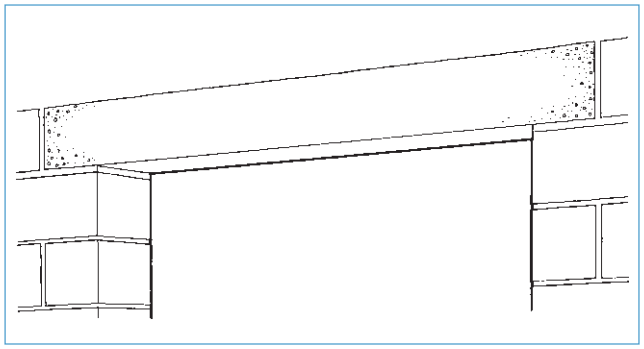


Make-up Piece

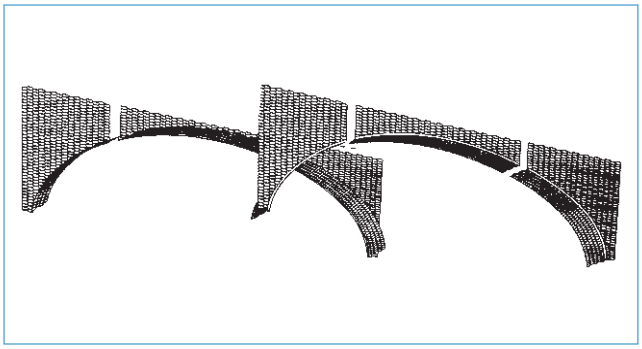
Ref.	Length (mm)
MP24	600

EXPAMET ARCH FORMERS

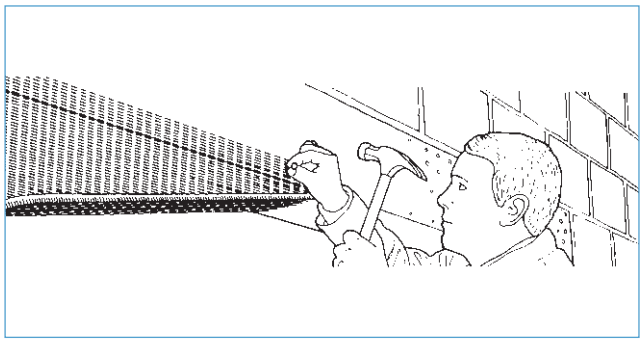
INSTALLATION INSTRUCTIONS



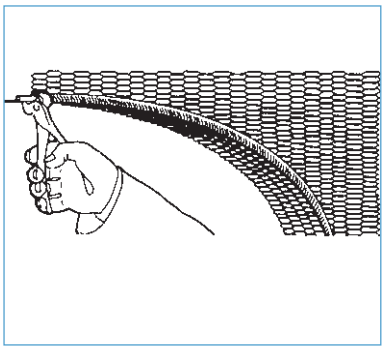
1. The opening ready to receive an Expamet Arch Former. Where a previously plastered wall is involved, the plaster surrounding the opening should be cut back. This will result in a flush joint of new with existing plaster. Arch Formers are not designed to carry structural loads. A Lintel must always be used when forming new openings.

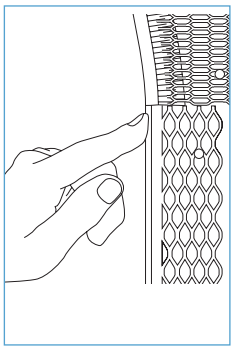


2. The component parts ready for installation.



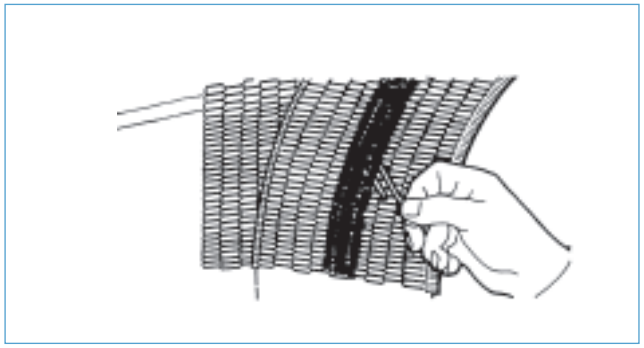
3. Fix the first part on an Arch Former with masonry nails or plug and screw. The Arch nosing should be 13mm proud of the wall face to which it is being fixed.



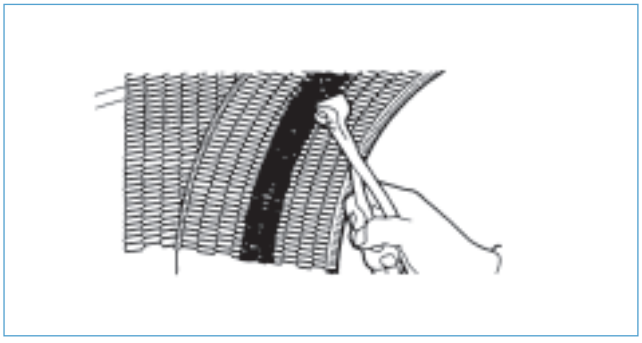


4. Lightly pinch the nosing of the arch over a cut galvanised nail (not supplied), which acts as a link between sections.

   If the pvc nosing is being used the arch former should be set back approximately 1mm from the angle bead to allow for nosing thickness



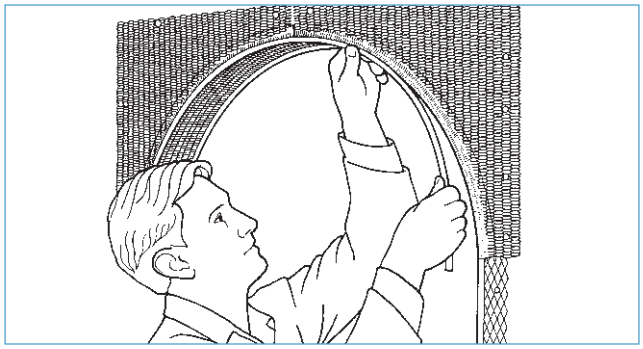
5. Arch Former sections in position on both sides of an opening. A galvanised wire tie has been inserted to securely unite the Arch Former sections.



6. Twisting the wire tie to secure it. The end of the tie is then bent inwards between an aperture of the lath. Alternatively, self-tapping screws may be used.

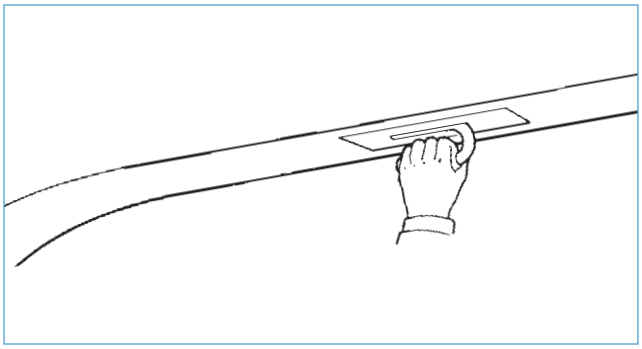
EXPAMET ARCH FORMERS
INSTALLATION INSTRUCTIONS

Fixing the pvc Nosing

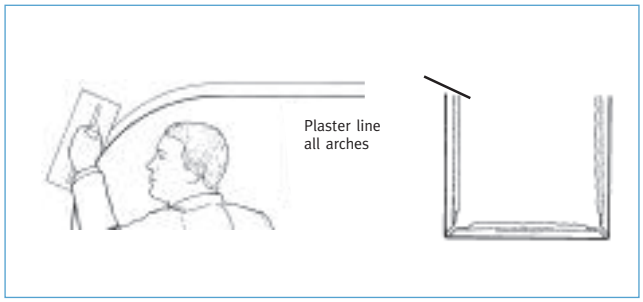


7. Start at the bottom junction, where the arch and angle bead should touch. Clip on the pvc nosing over the metal nose with guiding thumb pressure action. Work completely round the arch.
   Liquid soap can be used to aid application if required.
   a) Sufficient length pvc nosing is supplied to cover all the metal nosing.
   b) The pvc nosing can be cut with heavy-duty scissors, a Stanley knife or small hacksaw.

NOTE: If you prefer, the Arch Former can still be used without the pvc nosing.

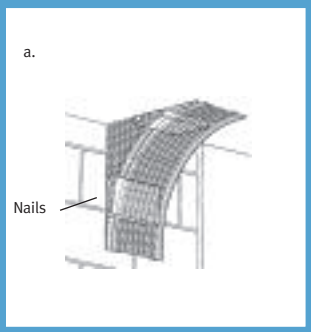


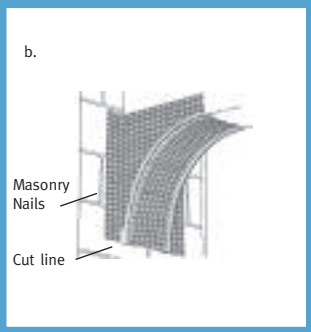
8. A render coat of Thistle Bonding or Thistle Hardwall plaster should be applied to the Arch Former to a thickness of approx. 6mm from the surface of the lath. This should be deeply cross-scratched to key a floating coat of the same plaster. The floating coat should be ruled evenly to the Arch Former nosing and lightly scratched to key the finish plaster. Proprietary one-coat plasters now available can be used. Follow suppliers instructions.

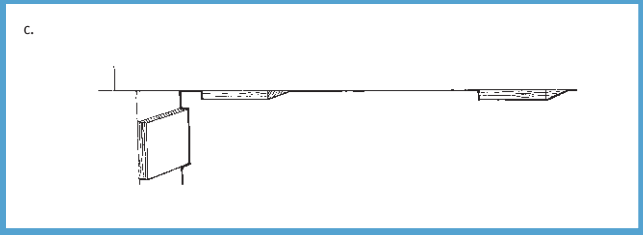


9. Finish plaster can then be applied.

Installation of Expamet Arch Formers in special applications







a. Where the arch abuts a wall at right angles, the flanges can be removed and the sides of the Arch Former unit can be nailed into suitably placed timber battens.
b. Alternatively the flanges can be bent at right angles along the wall/ceiling and fixed with masonry nails.
c. Concrete lintels: If direct fixing is difficult, timber battens should be fixed inside the opening, to receive the Arch Former units.
d. For walls thicker than 230mm use lath soffit strip.

How to ensure best results

The nosing of the Arch Former should be 13mm proud of the wall face to which it is being fixed. Where the flange is to be bent, cut into the nosing bead as shown in Fig. b. Form the bend over a straight edge such as the edge of a bench or scaffold plank.

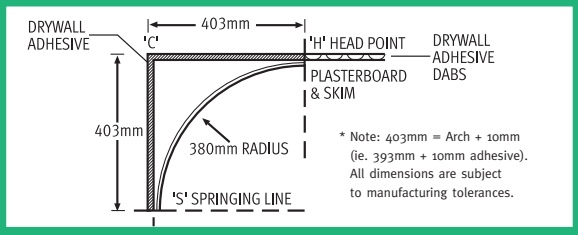
Tools needed:
1. Tin snips or heavy duty scissors and hacksaw. For cutting the nosing prior to bending and trimming away surplus material.
2. Hammer and suitable nails.
3. Pliers.

EXPAMET PLASTER ARCH

Expamet Plaster Arches allow simple internal arches to be formed even more easily. Simply fix in place with plasterboard screws in the pre-formed holes, and then just plaster skim the flat sides for a guaranteed quality finish.

An accurate radius (380mm) ensures symmetry from arch to arch and the quality and simplicity of installation has made the range an established choice with major housebuilders and the trade. Expamet Plaster Arches are available in five sizes and are suitable for various widths of composite or stud partitions and dry lined blockwalls.

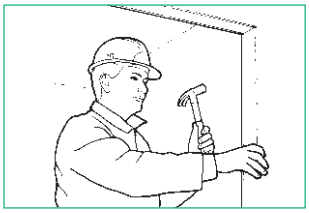
Ref.	Finished Thickness	Type
PA63	63mm	Composite partitions
PA80	80mm	Metal stud and plasterboard partitions with a finished thickness of 80mm
PA90	90mm	Timber and stud partitions with a finished thickness of 90mm
PA100	100mm	Timber stud partitions. with a finished thickness of 100mm
PA145	145mm	Dry lined Blockwalls



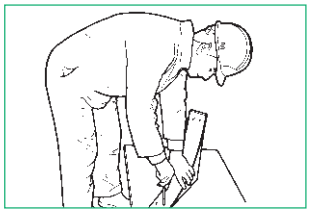
INSTALLATION INSTRUCTIONS – Dry-lined Blockwalls (PA 145)

1. Measure 403mm* from corner 'C' to springing point 'S' and head point 'H' complete plasterboarding to these points.
2. Fix arches in place with approved drywall adhesive, 10mm thickness. The arch soffit should be positioned allowing for thickness of skim coat to the plasterboard.
3. Secondary fix arches using 4 No. 8 plated woodscrews into plugs with a minimum of 25mm screw penetration to background. Do not over-tighten screws.
4. Follow instructions 5, 6 and 7 shown to the right to complete installation.

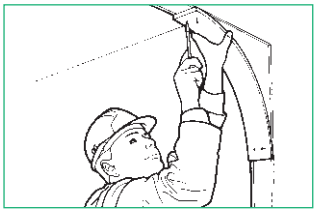
INSTALLATION INSTRUCTIONS – Plasterboard Composite and Stud Partitions

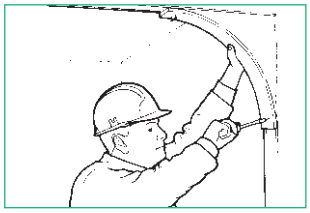


1. Corner of stud partition ready to receive Plaster Arch.

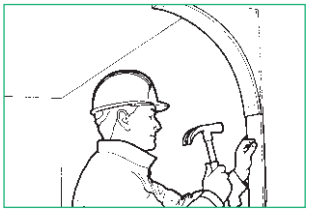


2. Insert No. 8 plated wood screws or plasterboard screws into the Plaster Arch (30mm length). Centre line of arch to align with centre of stud.

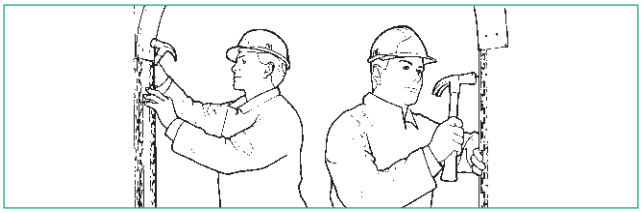




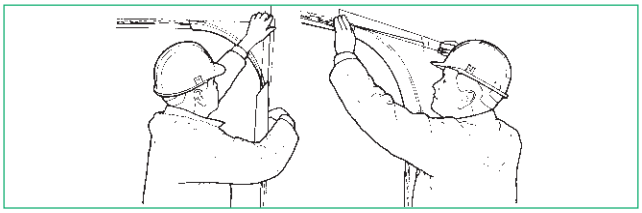
3. Position the Plaster Arch in the partition corner and screw to timber studding. Taking care to align the arch. Do not over-tighten screws.



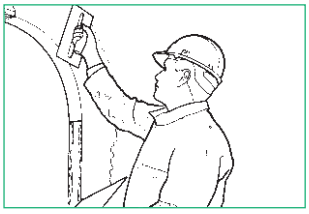
4. Install plasterboard cover strips. (9.5mm plasterboard).



5. Fix Expamet Angle Beads, ensuring the nose matches the nose of the Plaster Arch.



6. Tape joints between plasterboard and Plaster Arch.



7. Apply plaster skim.

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Expamet Building Products Ltd.
Greatham Street, Longhill Industrial Estate (North)
Hartlepool TS25 1PU England

Tel: Sales: +44 (0)1429 866611 Sales Fax: +44 (0)1429 866622
General: +44 (0)1429 866688 Fax: +44 (0)1429 866633
E-mail: sales@expamet.net
Technical: +44 (0)1429 866655
Technical Fax: +44 (0)1429 851873
Tech E-mail: technical@expamet.net
Website: www.expamet.co.uk

IRISH SALES OFFICE
Dublin: Unit 7, Swords Business Park, Swords, Co. Dublin
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