



Standard Plastering Accessories

A COMPANY FOCUSED ON CUSTOMER NEEDS

Welcome to Xpa Building Products. We are one of the leading suppliers of builders' metalwork in the region, with a factory in Sharjah, United Arab Emirates.

Founded in 2006, we have built on years of industry experience and are able to offer an extensive range of products. You are sure to find the right product to meet the individual need of your project.

Xpa products offer customers three key benefits:

- ▶ Design – architectural and structural solutions
- ▶ Proven quality – for guaranteed performance
- ▶ Ease of use – for fast and accurate installation

QUALITY YOU CAN TRUST

Xpa products meet or exceed current building regulations. Our distribution and export facilities ensure comprehensive local and regional presence. Our office based sales and technical teams also offer advice and product support.

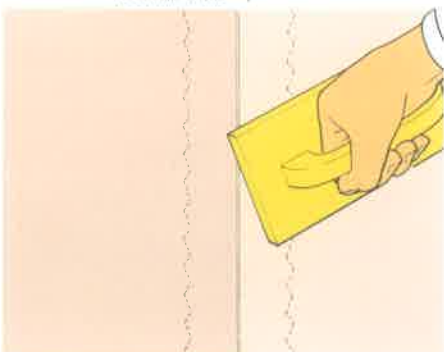
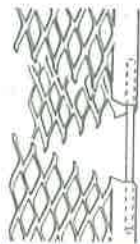
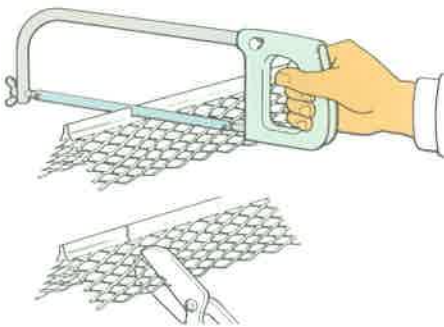


Xpa Metal Beads

We manufacture and market a comprehensive range of metal beads covering all the plasterers' needs.

Plasterers' beads have become an indispensable part of plastering operations. Use of appropriate beads greatly reduces the time taken in forming sharp corners, end stops and other details.

Moreover they offer protection and reinforcement to vulnerable plaster edges.



Design Details

Xpa metal beads provide a true and straight arris that will not easily chip or crack. They protect and reinforce plaster where it is most vulnerable.

The expanded metal wings ensure that the bead is securely anchored in the full depth of the plaster on either side of the arris.

Angle beads are particularly suitable for plastered columns, the corners of which are liable to damage both during and after building operations.

The bead itself serves as a straight edge and guide for ruling off plaster, reducing the degree of skill necessary to produce a straight arris.

Fixing

- ✓ Apply plaster dabs to the wall at 600mm intervals to both sides of the arris. Press the wings of the bead into the dabs of plaster.
- ✓ Ensure the bead is plumbed and squared. The line of the nose of the bead will determine the thickness of plaster.

Cutting and Joining

- ✓ Cut the nose of the bead with a fine tooth saw or hacksaw and the wings with tin snips.
- ✓ Join two lengths together with a dowel made from a short length of galvanised wire or a headless galvanised nail. Insert into the hollow of the bead to ensure continuity and true alignment of the nosing.

Plastering

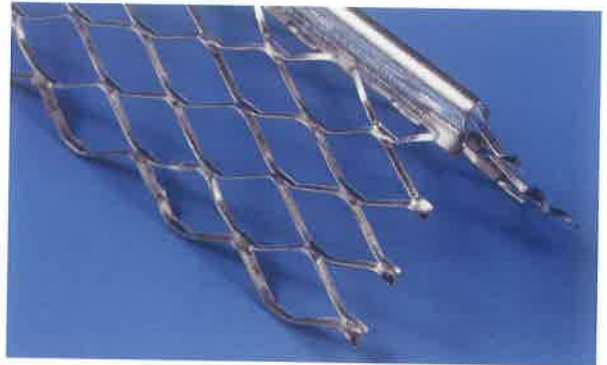
- ✓ The undercoat should come just below the level of the nose of the bead.
- ✓ Take care not to damage the bead.
- ✓ Wipe off any excess plaster while it is still fresh.
- ✓ Do not scrape off with a trowel and chipping with a trowel should never be attempted in order to avoid damage to the zinc coating.
- ✓ The finishing coat should be just proud of the angle bead, allow to wash over the nose of the bead when the plaster is being trowelled.
- ✓ Avoid excessive polishing of the plaster at the arris.

XPA ANGLE OR CORNER BEADS

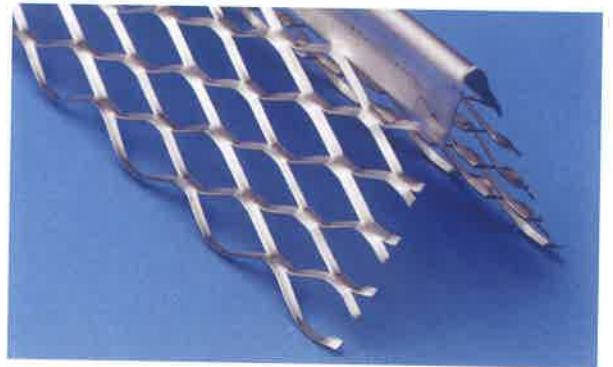
Xpa angle beads provide a true, straight arris that will not easily chip or crack. They also serve as a straight edge and guide for planing off plaster and speed up the operation of setting up the arris.

Galvanised Steel Angle Beads

Ref.No.	Plaster Depth	Width of Wing (mm)	Length (mm)	Quantity per Carton
GAB48	10-13	48 x 48	2400/2700/3000	25/50
GAB56	16	56 x 56	2400/2700/3000	25/50
GAB64	20	64 x 64	2400/2700/3000	25/50



Galvanised Steel Angle Bead



Stainless Steel Angle Bead

XPA PLASTER STOP AND CASING BEADS



Galvanised Steel Stop Bead



Stainless Steel Stop Bead

Plaster stop and casing beads are used as a trim for plaster up to openings and abutments.

Galvanised Steel Stop Beads

Ref.No.	Plaster Depth	Length (mm)	Quantity per Carton
GPS10	10mm	2400, 2700, 2850, 3000	50
GPS13	13mm	2400, 2700, 2850, 3000	50
GPS16	16mm	2400, 2700, 2850, 3000	50
GPS19	19mm	2400, 2700, 2850, 3000	50

XPA ARCHITRAVE AND FEATURE BEADS



Feature Bead - abutting



Feature Bead - engaging

Designed to form a plaster stop and a shadow line recess around door frames and elsewhere. They provide a key for plaster and a guide for ruling off.

Manufactured from pre-galvanised steel.

Galvanised Steel Architrave and Feature Beads

Ref.No.	Type	Plaster Depth	Groove Width	Length (mm)	Quantity per Carton
AB15	Abutting	13mm	15mm	2300, 2850, 3000	50
AB13	Engaging	13mm	n/a	2300, 2850, 3000	50

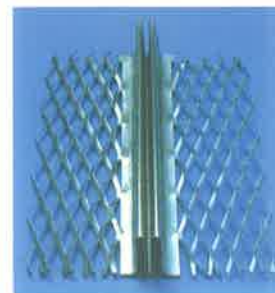


XPA CONTROL AND MOVEMENT BEADS

Xpa control and movement beads are supplied ready for fixing to form joints in plaster and render. Large areas of plaster can be reduced to a series of smaller panels as is often required to reduce risk of cracking.

The control joint bead is a continuous galvanised steel strip folded to allow expansion and contraction,

The movement bead consists of two lengths of plaster stop bead joined by a white PVC extrusion providing for a +3mm/ -1mm movement.



Control Joint Bead

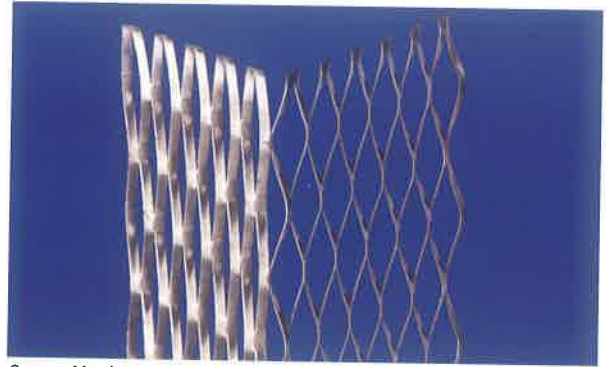


Movement Bead

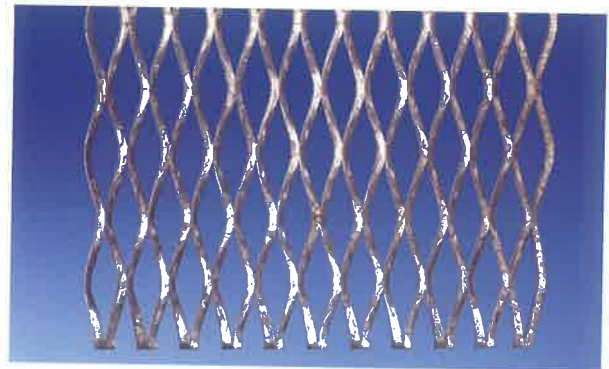
XPA CORNER MESH, STRIP MESH AND CRACK CONTROL LATH

Xpa strip mesh is a highly effective method of providing reinforcement to plaster between dissimilar areas and at crack-prone areas adjacent to openings, supplied in flat strips to avoid bulging. Mechanically fixed with galvanised or stainless steel nails as appropriate, suitable for both interior and exterior applications.

Corner mesh is used for reinforcing internal and external corners and at window and door reveals.



Corner Mesh



Strip Mesh

Ref.No.	Type	Material	Material Thickness	Weight kg/m ²	Size (mm)
GCM50	Corner Mesh	Galvanised	0.5mm	1.92	2500 x 50 x 50
GCM75	Corner Mesh	Galvanised	0.5mm	1.92	2500 x 75 x 75
GSM100	Strip Mesh	Galvanised	0.5mm	1.92	2500 x 100
GSM150	Strip Mesh	Galvanised	0.5mm	1.92	2500 x 150

Xpa Crack Control Lath may be used in less critical situations and is supplied in individual coils in the following sizes:

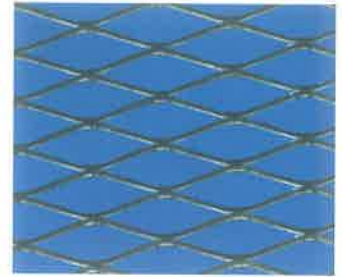
Galvanised

Ref.No.	Coil width (mm)	Coil length (m)
CCL65	65	50
CCL100	100	50
CCL150	150	50
CCL175	175	50
CCL200	200	50

Stainless Steel

Ref.No.	Coil width (mm)	Coil length (m)
SCCL65	65	50
SCCL100	100	50
SCCL150	150	50
SCCL175	175	50
SCCL200	200	50

XPA FLAT LATH AND RIBLATH



Lathing

The Xpa lath range has a proven track record on all types of contracts from villa construction through to large commercial projects.

Xpa Lathing provides an excellent key for finishing materials on masonry, soffits, suspended ceilings and timber frame buildings.

Suitable for interior or exterior applications Xpa Lathing is easily formed, allowing designers to create free forms such as arches, domes and vaults in a trouble-free effective manner. Xpa 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 Xpa lathing range is designed to provide durable, effective solutions whatever kind of plastering or rendering work your job entails.

Xpa lathing is manufactured from pre-galvanised or sheets. It is produced in two main forms, each in a range of weights:

- Expanded metal lathing with diamond pattern mesh.
- Riblath expanded metal lathing with a herringbone pattern mesh of 3 hole design incorporating V-profiled solid ribs.



Riblath

Expanded Metal Lathing

Ref.No.	Material Thickness	Weight kg/m ²	Max Fixing Centres (mm)	Sheet Size (mm)
FL 090	0.400mm	0.91	300	2500 x 700
FL 110	0.500mm	1.11	300	2500 x 700
FL 160	0.725mm	1.61	350	2500 x 700

Riblath

Ref.No.	Material Thickness	Weight kg/m ²	Max Fixing Centres (mm)	Sheet Size (mm)
RL 166	0.4mm	1.66	600	2500 x 600
RL 186	0.5mm	1.86	600	2500 x 600

Riblath	Application	Expanded Metal Lath	Application
RL 160 (galvanised) Internal z275	Interior standard plaster on solid background	FL 110 (galvanised) z275	Interior standard plasters
RL 186 (galvanised) Internal z275	Interior heavy plaster or render	FL 160 (galvanised) z275	Interior standard plasters
		FL 090 (galvanised) z275	Interior standard plasters
			Exterior render

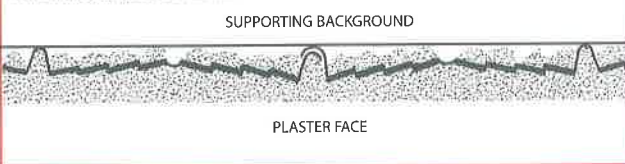
Riblath Applications

Xpa exterior Riblath is particularly effective in providing a keyed background for render on fair faced concrete or block work surfaces common to Middle East and Mediterranean design. Movement joints should be provided at a maximum of 5m centres for render finishes (vertical and horizontally). The resultant key is very strong and crack resistant.

XPA FLAT LATH AND RIBLATH



Section through plastered Rib-lath



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.

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. 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. 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.

Fixing Riblath to vertical solid backgrounds.

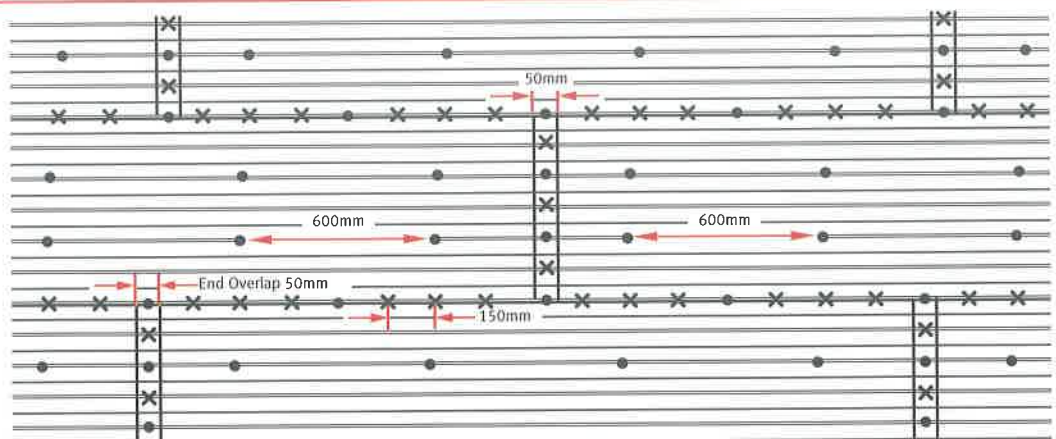
Riblath should be positioned with the point of the ribs against the background so that a stand off is achieved between the background and the outer flat surface of the Riblath to be rendered.

Proprietary fixings should be used to hold the ribs of the lath firmly against the background. Where Riblath is fixed with the ribs running vertically, fixings should be made through all ribs at 600mm centres.

Movement joints should be provided at maximum 5m centres (vertically and horizontally) for render finishes.

RIBLATH FIXING TO VERTICAL SOLID BACKGROUNDS.

- Fixing location
- × 1.2mm wire tie or screw location



FORM-RIB® PERMANENT FORMWORK FOR CONCRETE

Form-Rib® is primarily used as permanent formwork for concrete shuttering. However, it can be used for plasterboard and render applications and as a carrier for fire protection materials.

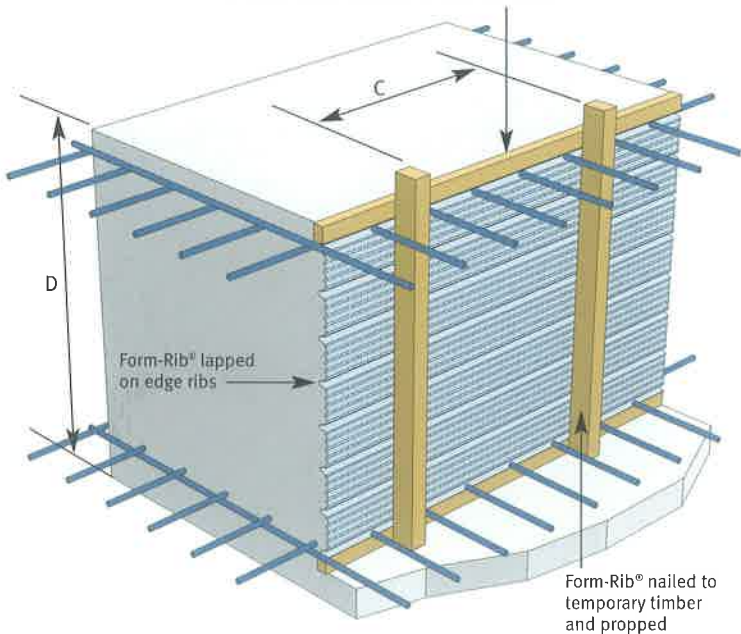
Manufactured from pre-galvanised steel.






The profile of Form-Rib® open mesh in combination with its ribs provide an inherently stiff sheet along its length. It can be used for flat and curved surfaces.

Form-Rib® is available in three thickness grades; each with a distinctive coloured stripe inside the rib to aid identification.

	
ID Colour: Red 339	ID Colour: Green 427
Gauge: 0.4mm Nominal weight: 3.39 kg/m ²	Gauge: 0.5mm Nominal weight: 4.23 kg/m ²

Timber rail fixed to supports. Form-Rib® generally given the same concrete cover as the rebar



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

Xpa Form-Rib® sheet lengths: 2500mm and 3000mm. Standard sheet width 445mm. Other lengths available, please ask for details.
Xpa Form-Rib® depth: 20.8mm



Standard Joint with Timber Supports

Typical installation details for construction joints.

Depth of joint (D) mm	Concrete Pressure		Clear Distance Between Supports for Form-Rib® Grades (C)	
	Ciria 108 kN/m ²	Assumed for Form-Rib kN/m ²	527 mm	339 mm
250	6.25	3.2	1025	950
500	12.5	6.3	725	675
750	18.75	9.5	600	550
1000	25.0	12.7	500	475
1250	31.25	15.8	450	425
1500	37.5	19.0	425	400
2000	50.0	25.3	375	350
2500	62.5	31.7	325	300
3000	75.0	38.0	300	275

Indicative spacing of supports at slab joints using Form-Rib®



XPA BLOCK WORK REINFORCEMENT MESH



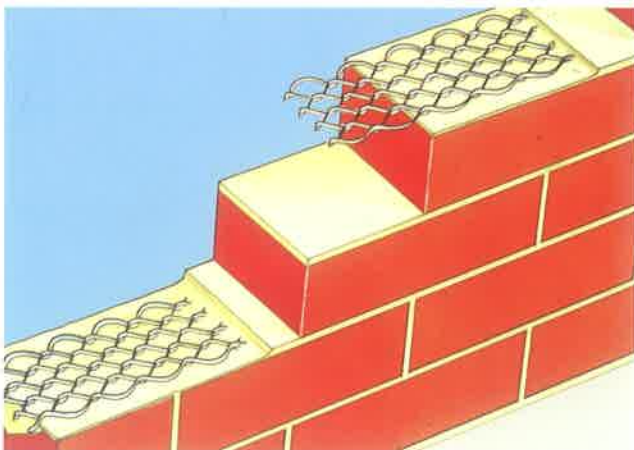
Reinforced block work is preferable in all types of building because steel reinforcement adds tensile strength to the inherent compressive strength of this traditional construction method.

- Xpa block reinforcement is a length of expanded steel mesh with continuity of steel throughout.
- No joints, welds or interweaving to fail under stress.
- Once mortared into brickwork the diamond-shaped mesh is anchored immovably so that it cannot slip under tension.

Xpa block reinforcement should be set in the bed-joints with its outer edge about 25mm from the face of the block work.

As a general rule a strip 65mm wide should be used in every third course of a 100mm wall. Other widths are available for thicker walls.

Combinations of different widths may be used to suit any wall thickness.



Ref.No.	Coil width (mm)	Coil length (m)
GBM65	65	100
GBM100	100	100
GBM115	115	100
GBM150	150	100
GBM175	175	100
GBM225	225	100

Stainless Steel brick reinforcement

Ref.No.	Coil width (mm)	Coil length (m)
SBM65	65	20
SBM115	115	20
SBM175	175	20
SBM225	225	20



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