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A construction worker in a yellow hard hat and safety harness is in the foreground, looking towards a construction site. In the background, several vertical rebar structures are visible, and another worker is working on the site. The sky is filled with soft, white clouds.

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## About Us

**Cyril Metal Steel** is a premier construction service company, renowned for its commitment to quality, integrity, professionalism, and consistency.

Our organization has been a leader in providing dependable solutions for Building Accessories, Power-Actuated Fastening Systems, and Fixing Solutions, leveraging technology and knowledge.

We are dedicated to providing exceptional value throughout the product lifecycle. Our testing and data-driven solutions are designed to help improve the progress efficiency of our valued clients. Our team is always available to provide technical advice and assistance, helping customers achieve the best results at all times.

Our goal is to enhance the quality of local products to demonstrate that Egyptian products comply with global standards for construction accessories. Furthermore, we are focused on establishing long-term, healthy partnerships built on trust.

By adhering to our mission, we aspire to become the supplier of choice for our customers, and to be recognized as the largest company in Africa and the Middle East.

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**Building & Plaster  
Accessories**



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## Standard Wall-Ties (WT-S)

◆ Building Accessories- wall-ties.

**Contribute significantly to the stability, stiffness, and durability of the structure.**

Typically, wall ties perform three primary functions between concrete elements and masonry, or between a wythe of brick and its backing or another wythe of masonry:

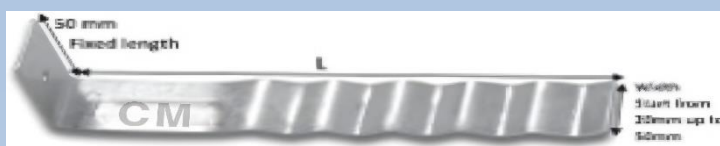
1. Provide a connection.
2. Transfer lateral loads.
3. Allow in-plane movement to accommodate differential movements and, in some cases, restrain differential movement.

In addition to these primary functions, metal ties (as joint reinforcement) may also be required to serve as horizontal structural reinforcement or provide longitudinal continuity.

▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653/A653M).

Code	Thickness mm	Width mm	Length (L) mm
WT-S1.5A	1.5	20 : 50	150
WT-S1.5B	1.5	20 : 50	200
WT-S1.5C	1.5	20 : 50	250
WT-S1.5D	1.5	20 : 50	300
WT-S2A	2	20 : 50	150
WT-S2B	2	20 : 50	200
WT-S2C	2	20 : 50	250
WT-S2D	2	20 : 50	300
WT-S2.5A	2.5	20 : 50	150
WT-S2.5B	2.5	20 : 50	200
WT-S2.5C	2.5	20 : 50	250
WT-S2.5D	2.5	20 : 50	300

Code	Thickness mm	Width mm	Length (L) mm
WT-S3A	3	20 : 50	150
WT-S3B	3	20 : 50	200
WT-S3C	3	20 : 50	250
WT-S3D	3	20 : 50	300
WT-S4A	4	20 : 50	150
WT-S4B	4	20 : 50	200
WT-S4C	4	20 : 50	250
WT-S4D	4	20 : 50	300



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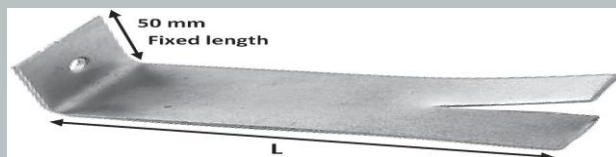
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## Wall-Tie Fish-tail(WT-FT)

◆ Building Accessories- wall-ties.

Code	Thickness mm	Width mm	Length (L) mm
WT-FT2A	2	30	150
WT-FT2B	2	30	200
WT- FT2.5A	2.5	30	150
WT- FT2.5B	2.5	30	200
WT-FT3A	3	30	150
WT-FT3B	3	30	7777



## Wall-Tie Double Fish-tail (WT-DFT)

◆ Building Accessories- wall-ties.

A tie is installed by overlapping concrete posts, allowing it to act as an anchor with both ends tied into masonry or between two masonry walls in a uniform spacing pattern. This helps eliminate settlement and mitigate different thermal expansion cracks, enabling the wall to function as a single structure. Ties contribute significantly to the stability, stiffness, and durability of the overall structure.

▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) (ASTM A653 / A653M).

Code	Thickness mm	Width mm	Length (L) mm
WT-DFT2A	2	30	150
WT-DFT2B	2	30	200
WT-DFT2C	2	30	250



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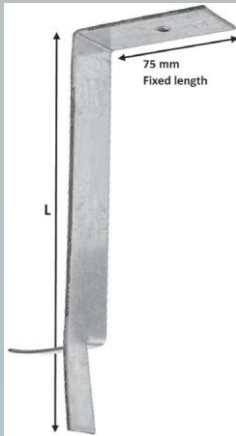
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## Wall-Tie F shape (WT-F)

- ◆ Building Accessories- wall-ties (Overhead).

They are designed to restrain the free-standing wall against the overhead structure. They are used to link the wall with the ceiling, reinforcing the building against lateral loads.

- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 / A653M).

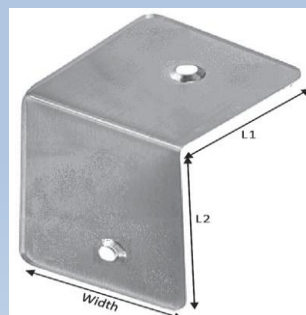


Code	Thickness mm	Width mm	Length (L) mm
WT- F2A	2	30	250
WT- F2B	2	30	300
WT-F3A	3	30	250
WT-F3B	3	30	300

## Wall-Tie L Shape “Steel Bracket” (WT-L)

They are an essential part of the vertical supporting systems and columns for cladding and fastening almost any vertical components. They provide a robust mechanical fixing solution while accommodating structural movement through oversized bolt holes.

Code	Thickness mm	Width mm	Length mm	
			(L1)	(L2)
WT-L	5	30 : 200	50 : 150	50 : 150



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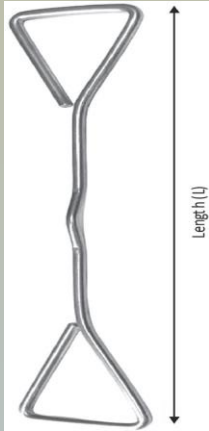
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## Double Triangle Wall-tie (WT-DT)

◆ Building Accessories- wire-tie

It is used in cavity walls to reinforce and hold the two walls together. The tie is laid with the twisted wire ends hanging down into the cavity to act as a drip, preventing moisture from traveling across the cavity. It features a bend in the middle of its length, and the strip tie has a twist that serves as a barrier against moisture passing across the tie. It conforms to BS EN 1996-1-1 and BS EN 1996-2. ASTM A641 / A641M



▶ Manufactured from Galvanized steel wire with diameter of 4.8 mm.

Code	Length (L) mm	Material
WT-DT2.5	250	Galvanized steel wire

## Z-Shaped Wire Wall-tie (WT-Z)

◆ Building Accessories- wire-tie

Used in cavity walls, it reinforces and holds the two walls together by being placed horizontally inside the mortar. Its primary purpose is to act as an anchor, uniting different walls to function as one. It is always used with a width 50 mm less than that of the wall. It conforms to BS EN 1996-1-1, BS EN 1996-2, and ASTM A641/A641M.

▶ Manufactured from Galvanized steel wire with diameter of 4.8 mm.



Code	Length mm
WT-Z10	100

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## Ladder Wall Tie (LWT)

### ◆ Building Accessories- Cavity wall support

Ladder wire tie terrace like wire tie used in cavity walls to reinforce and hold the two walls together to act as a single structure and also could be used as block work reinforcement by being placed horizontally inside the mortar in single walls usage.

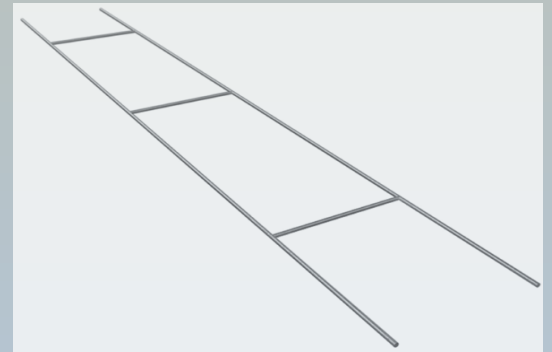
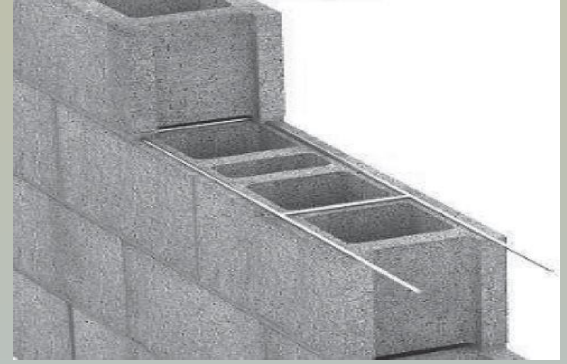
Always used with a width 50 mm less than the width of the wall.

Confirms to

BS EN 1996-1-1 and BS EN 1996-2

ASTM A641 / A641M

- ▶ Available to be Manufactured from Galvanized steel wire with diameter of 4.8 mm.



Code	Length m	Width cm	Material
LWT-10	3	10	Galvanized steel wire
LWT-15	3	15	Galvanized steel wire
LWT-20	3	20	Galvanized steel wire

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## Stone Cladding Clamp (CC)

### ◆ Mechanical Stone Cladding Systems

Stone Cladding Clamp is used to mechanical apply and fix wall cladding of granite, marble, travertine, and other tiles. Suitable for concrete walls. Quick and easy installed to restrain against wind pressure and quake-proof: expansion fasteners, Bolt Nut, Anchors, Rivets, etc.

Available in multiple materials:

- ▶ Stainless Steel 304, 316.
- ▶ Galvanized Steel.
- ▶ Hot Dip Galvanized Steel.

Code <sup>1)</sup>	Thickness mm	Width mm	Length mm	Hole Size mm
CC-01	3	40	50 x 35 x 50 x 35	10 x 32
CC-02	3	40	20 x 50 x 50	10 x 32
CC-L	5	40	50 x 50	10 x 32



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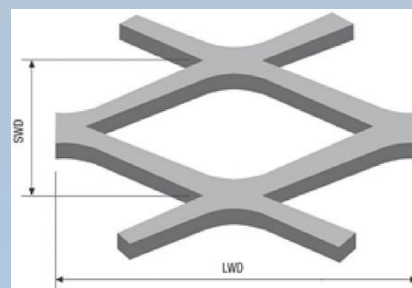
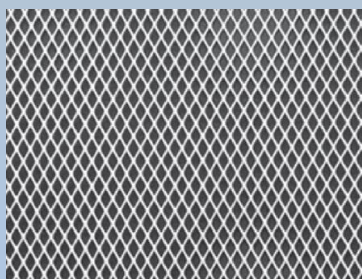
## Concrete Reinforcement Metal Mesh (CMM)

### ◆ Building Accessories- Concrete Reinforcement

Concrete Reinforcement Metal Mesh is a heavy duty expanded metal produced from carbon steel sheet to achieve best bonding with concrete. Contains no joints or welds, as each sheet is a single piece of sturdy steel acting as shear connection reinforcement and also supplied as an anti-crack reinforcement in the design. It is recommended for usage with concrete plaster and reinforcement work.

- ▶ Manufactured from Carbon Steel.
- ▶ Roll Dimensions: 1 meter width x 10 meter length.
- ▶ Available Densities: from (0.600 kg/m<sup>2</sup>) to (1.800 kg/m<sup>2</sup>)

	SWD	LWD
CMM-525	11	25
CMM-615	5	15
CMM-625	11	25
CMM-815	4.8	15



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### Expanded Metal (EM)

#### ◆ Building Accessories- Expansion reinforcement

A multiple usage and key factor when it comes to both masonry and plaster works.

Expanded metal mesh is one of the most versatile products that contribute in eliminating tiny cracks that ruins the good looks of your wall.

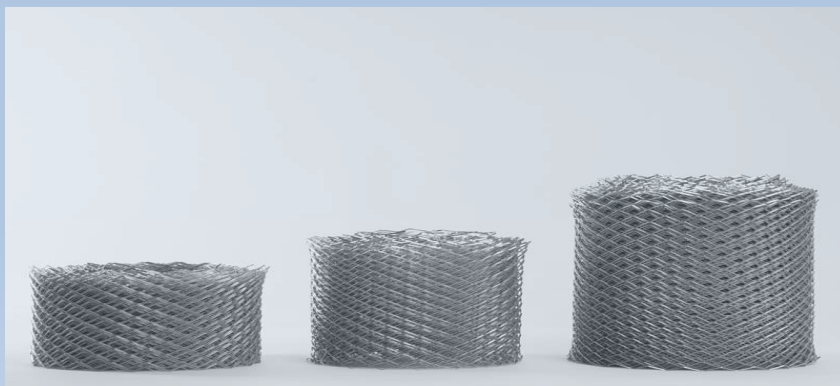
Could be used as a masonry reinforcement by reducing settlement in blockwork due to its weight.

Also has an outstanding role in plaster works when it comes to stop tiny cracks resulted by different thermal co-efficient of different materials.

Not only that but it can help in building up layers in plaster process and provides good bonding between layers plus could be used to cover up electric lines and eliminate plaster cracks resulted by them.

▶ Manufactured from Galvanized steel sheet: BS EN 10130.

Code	Density	Width	Length
EM-500	0.500 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-600	0.600 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-700	0.700 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-800	0.800 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-900	0.900 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1000	1000 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1100	1.100 Kg m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1200	1.200 Kg/ m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1300	1.300 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1400	1.400 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1500	1.500 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1630	1.630 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1700	1.700 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1850	1.850 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M
EM-1900	1.900 Kg/m <sup>2</sup>	From 8cm till 100cm	10 M - 20 M



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### Fiber Glass Mesh (FGM)

#### ◆Plaster Accessories - Expansion reinforcement

Is resin coated fiberglass fabric that does not burn and is characterized by both low weight and high strength. These properties allow it to be successfully used in the formation of joints of two materials with different expansion coefficient and resist the cracking that occurs in such places.

Resistant to alkalis, does not decompose over time, it has a high resistance to tearing and stretching, protects the surface from cracking and improves its mechanical strength due to its flexibility. Easy to handle and use.

Technical Properties:

FGM-W:

a)Coating and Alkaline Resistance:

Adhesive coating (%): Acrylic Latex  $\geq 18 \pm 3$  %.

Alkaline Resistance: After 28-days immersion of 5% NaOH solution. Average Retention rate for tensile fracture strength:  $\geq 60\%$ .

b)Mechanical Properties:

Tensile Strength:

-(50mm Width Tensile Method): Warp  $\geq 1200$  N, Weft  $\geq 1500$  N.

-(Wide Width Method ASTM D-5035): Warp  $\geq 1050$  N, Weft  $\geq 1400$  N.

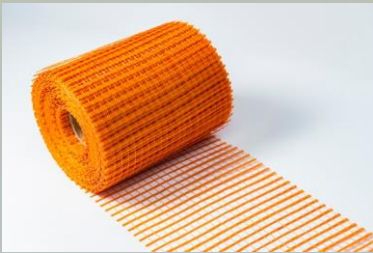
Elongation

-(Wide Width Method ASTM D-5035): Warp  $\geq 5\%$ , Weft  $\geq 8\%$ .

FGM-R:

Tensile Strength: (50mm Width Tensile Method): warp  $\geq 1000$  N, weft  $\geq 1400$  N.

Confirms to: ETAG 004



Code	Hole size mm	Density	Width cm	Length	Color
FGM-W	5 x 5	125 g/m <sup>2</sup> +/- 5%	20	50 meters +/- 5%	White
FGM-R	10 x 10	120 g/m <sup>2</sup> +/- 5%	20	40 meters +/- 5%	Red
FGM-O	10 x 10	90 g/m <sup>2</sup> +/- 5%	20	50 meters +/- 5%	Orange

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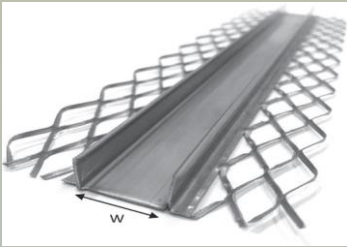
## Architrave Bead (AB)

### ◆ Plaster Accessories

Act as a plaster stop profile, creating a shadow-like recess. Typical applications include the creation of clean divisions between different wall finishes, at walls and ceiling abutments, door and window reveals and other built in joinery features.

Comes in two shapes

- ▶ One wing architrave bead “AB”.
- ▶ Two wing architrave bead “ABD”.
- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653/A653M).



Code	Channel Width (W) mm	Rod Length m
AB-20	20	3
AB-25	25	3
ABD-20	20	3

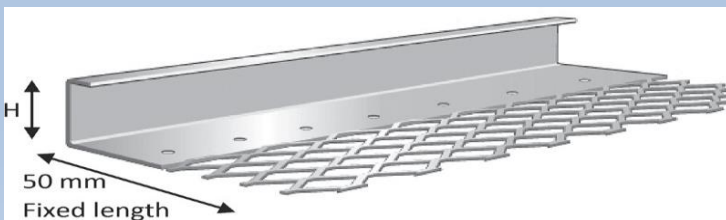
## Plaster Stop (PS)

### ◆ Plaster Accessories

Is used for many different applications and can also be less expensive than other construction methods. It is designed with a ridge of nail holes to provide easy installation. And Used in all types of buildings and constructions and all cement plastering work, Plaster stop beads improve the structure’s quality regarding the wall surfaces’ abutments to other dissimilar surfaces. It is also used between wall surfaces and abutment of doors and window frames and places wherever the plaster ends.

- ▶ Confirms to: BS EN 13658-1
- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).
- ▶ Rod Length is 3 meters.

Code	Height (H) mm
PS-10	10
PS-13	13
PS-15	15
PS-19	19



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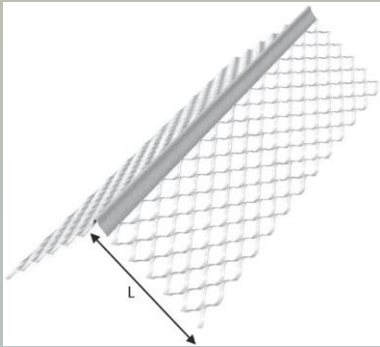
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## Angle Bead (AD)

### ◆ Plaster Accessories

Is type of reinforcement designed for internal and exterior plaster use, reinforced with flange wings to provide with its solid metal nose a straight corner. designed to protect the corners from impacts that damage the straight lines and keep a precise straight edges.

- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).
- ▶ Rod Length is 3 meters.



Code	Flange Length (L) mm
AD-50	50 × 50
AD-70	70 × 70

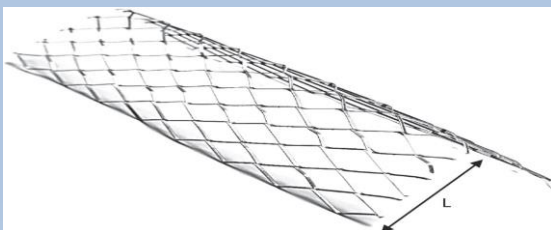
## Corner Bead (CM)

### ◆ Plaster Accessories

Designed to provide strong internal corner reinforcement for conventional plaster applications and perfectly straight sharp inside corners and designed to resist cracking.

A solid metal nose provides a straight, rigid ground, and the flanges can be easily flexed over irregular, uneven surfaces. Uses to ensure successful corner alignment and efficient plaster keying.

- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).
- ▶ Rod Length is 3 meters.



Code	Flange Length (L) mm
CM-50	50 × 50
CM-70	70 × 70

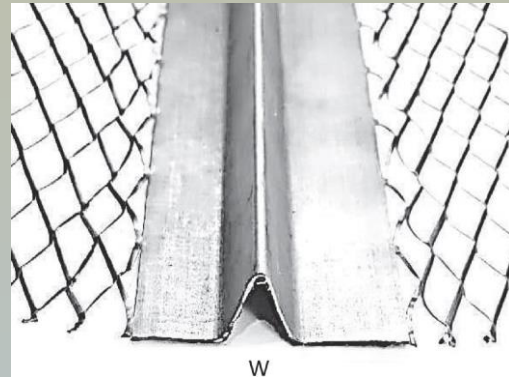
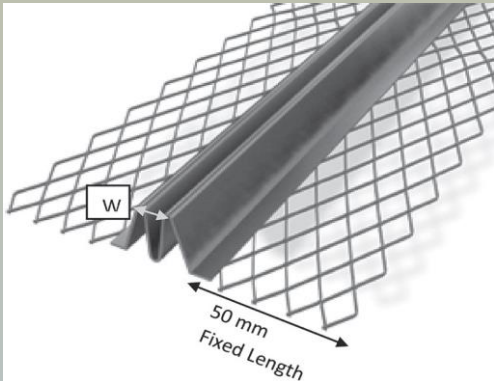
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## Control Joint (CJ)



### ◆ Plaster Accessories

Is used in concrete masonry and plaster works to reduce the occurrence of shrinkage-related cracking.

A control joint could be used in both vertical and horizontal joints filled with mortar, but with a bond breaker on one side, tensile stress cannot develop across the joint.

Along the wall's length and near corners, returns, and changes in the wall's height, support, or stiffness.

Can be used as an expansion joint reinforce and control joint reinforce. Comes in two shapes:

CJ-V: Joint with Single V bend. CJ-

DV: Joint with Double V bend.

▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).

Code	Type of Bend	Bend Width (W) mm
CJ-V18.5	Single V	18.5
CJ-DV19	Double V	19

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## Metal Flashing (MF)

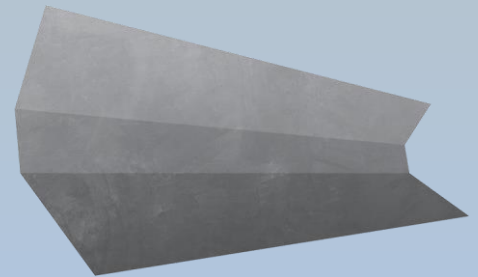
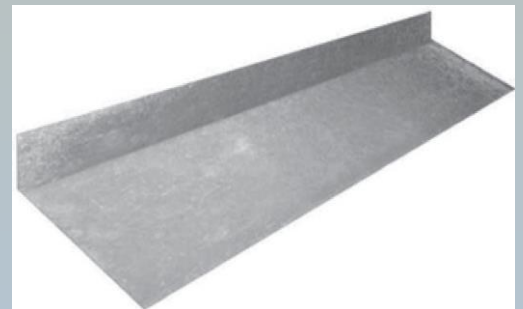
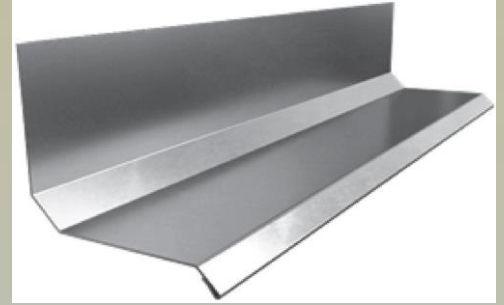
### ◆ Building Accessories - Insulation

is a type of metal insulation that is used at the end of isolation panels and directs water away from the roof's critical areas where water can go through and damage concrete. Also, it uses in a flashing or trim capacity for various areas of a home, which may include valleys, chimneys, fascia, end walls, sidewalls, and many others. It is fastened by the screws you make at its end at an angle of 45°, filling the spaces between sheet and wall with a rubber sealant material to prevent leaking water.

Available to be Manufactured from:

- ▶ Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).
- ▶ Stainless Steel 304
- ▶ Aluminum Sheets

Recommended to be fixed using Zinc Alloy Anchor ZA



Code <sup>1</sup>	Thickness mm	Width mm	Rod Length m
MF-01	0.7 mm	25 × 50	2 m
MF-02	0.7 mm	15 × 35	2 m
MF-03	0.7 mm	70 × 235 × 50	2 m
MF-04	0.7 mm	20 × 25 × 85	2 m

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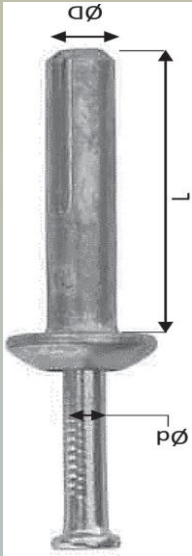
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## Zinc Alloy Nails in Anchor (ZA)

### ◆ Fixing Solution

in Anchor for a light-duty mechanical anchor is easy to install, used in Concrete, Block, Brick, and stone. Recommended to be used in fixation of Metal flashing, Foundation weep screed and Termination Bar systems.



Code	Dimensions	Material
ZA-01	DIA-D	6.0 mm
	Length	30 mm
	DIA-d	3.70 mm
6x30		Zinc Alloy

## Termination Bar (TB)

### ◆ Building Accessories – Insulation

is a multi-purpose, professional way to fix a wide variety of construction waterproofing, drainage boards, insulation systems and metal flashing systems. Due to the usage of water sealant or PVC strips over the bar it provides a perfect water tight insulation.

- ▶ Manufactured from Galvanized steel sheet (BS EN 10130:2017) - (ASTM A653 - A653M).
- ▶ Recommended to be fixed using Zinc Alloy Anchor ZA

Code	Thickness mm	Rod Length m	Width mm
TB	0.7	2	40



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