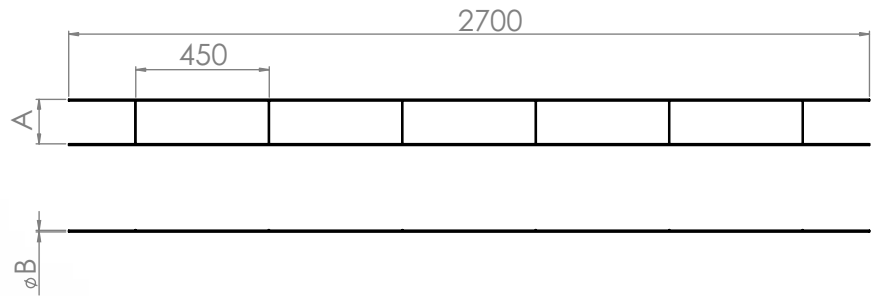
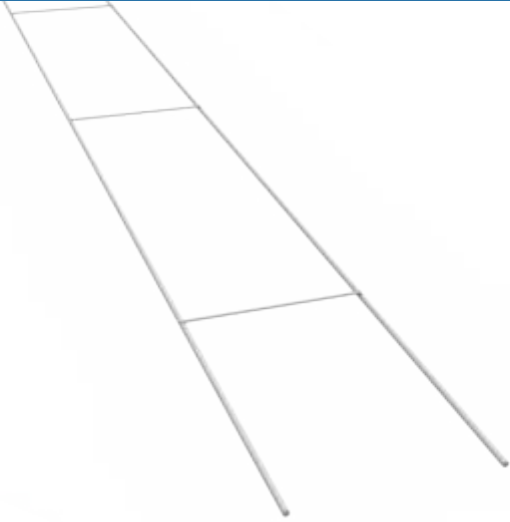


Ladder Mesh



DESCRIPTION

Ladder mesh is used in the bed joints to reduce stress, movement and control shrinkage by providing additional load capacity for lateral loads

FEATURES

- Clay brick / block work
- In bed joint reinforcement
- Custom sizes available upon request

SIZES

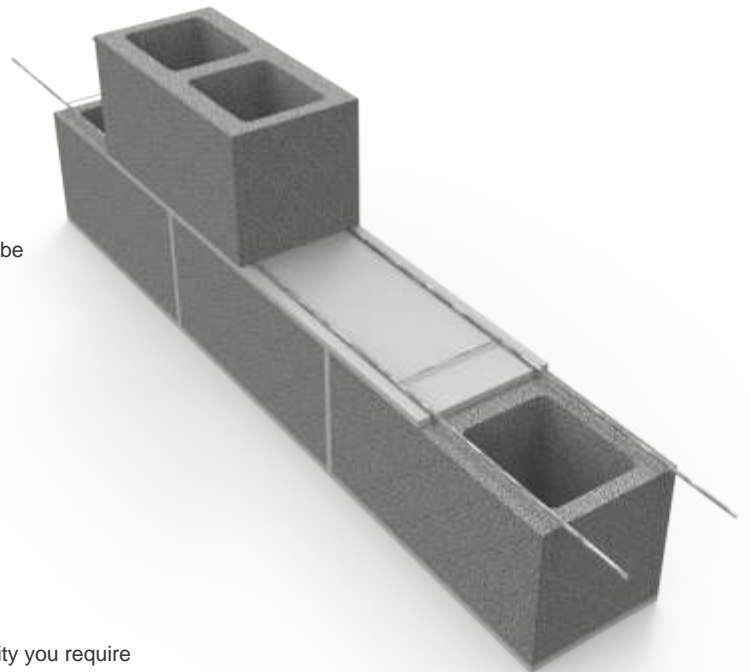
Standard Width (A) : 60 / 90 / 160mm.

Standard Longitudinal Wire Diameter : 3 / 4 / 5mm

Custom Sizes : Fabricated ladder mesh of any size required can be ordered, please contact us if you need further information

CORROSION CHARACTERISTICS

- Heavy galvanised wire (R2)
- Stainless steel 304 (R3)
- Stainless steel 316L (R4)



ORDERING INFORMATION

When ordering please supply use with the part number and quantity you require

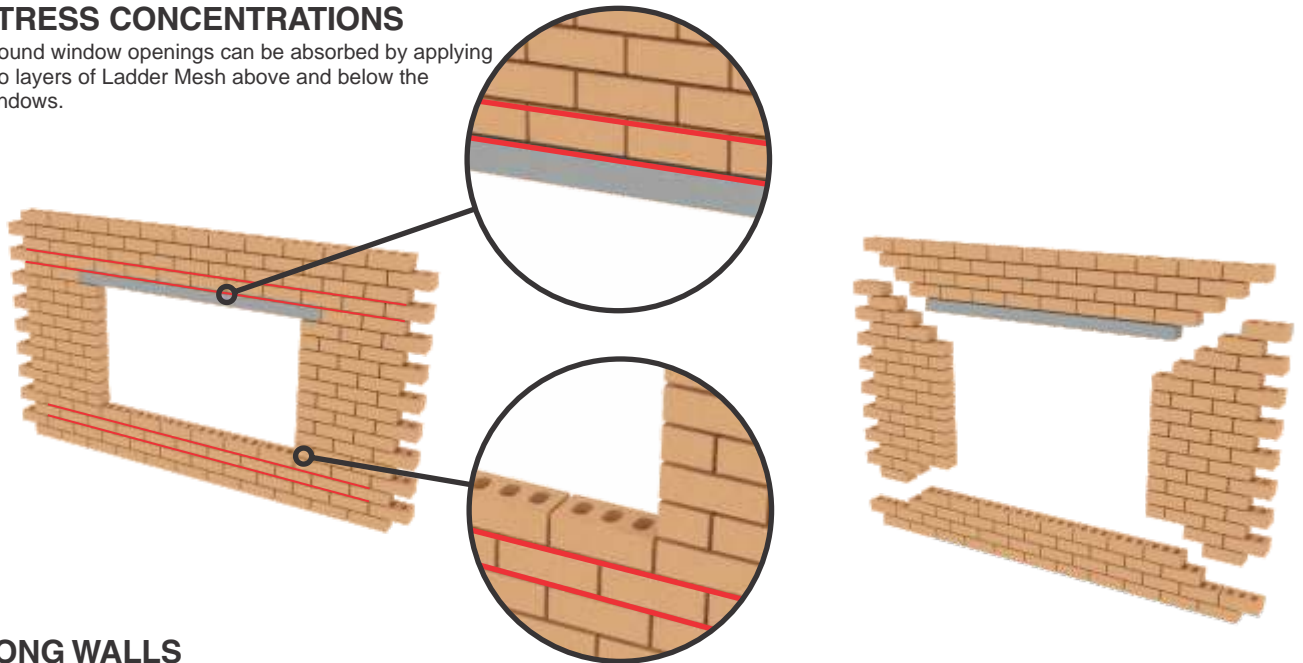
LM1-100x4-R4

PRODUCT CODE	SIZE (AxB)	MATERIAL
	60 3	Specify
	90 4	R2 for Galvanised Z600
	160 5	R3 for Stainless Steel 304 SPECIAL ORDER
		R4 for Stainless Steel 316L SPECIAL ORDER

Ladder Mesh

STRESS CONCENTRATIONS

Around window openings can be absorbed by applying two layers of Ladder Mesh above and below the windows.

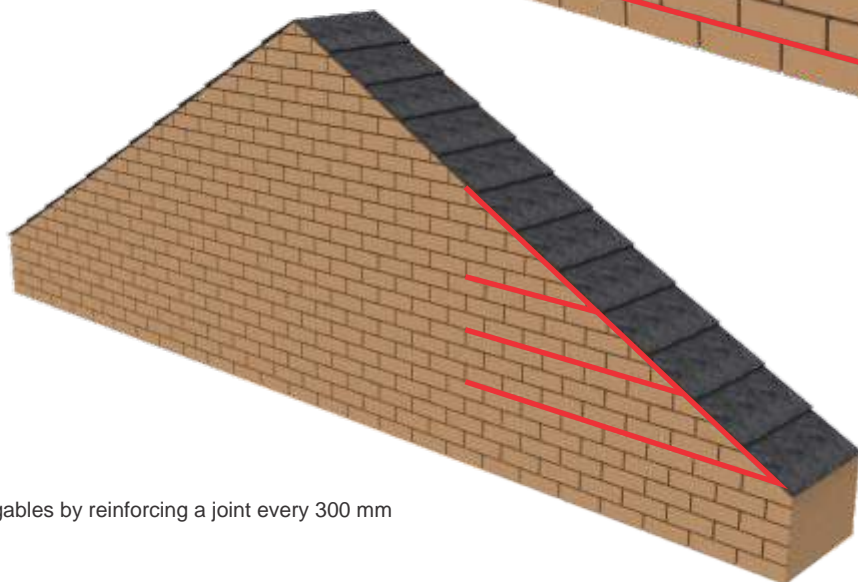
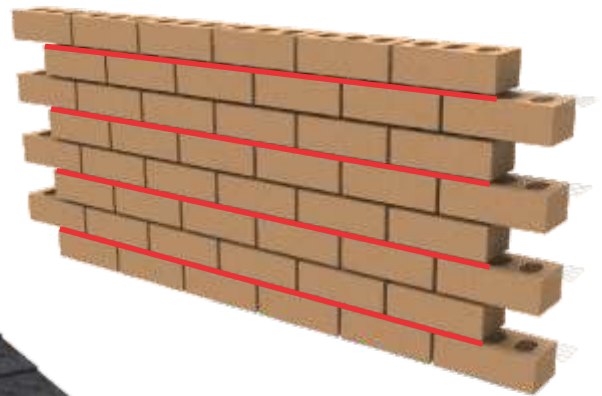


LONG WALLS

Shrinkage or expansion of materials can lead to cracks in the masonry.

These larger distances are dependent on:

- Type and color of the facing brick
- Type of mortar or glue
- Type of joint
- Age of the bricks
- Orientation
- Temperature at implementation
- Type of obstacle

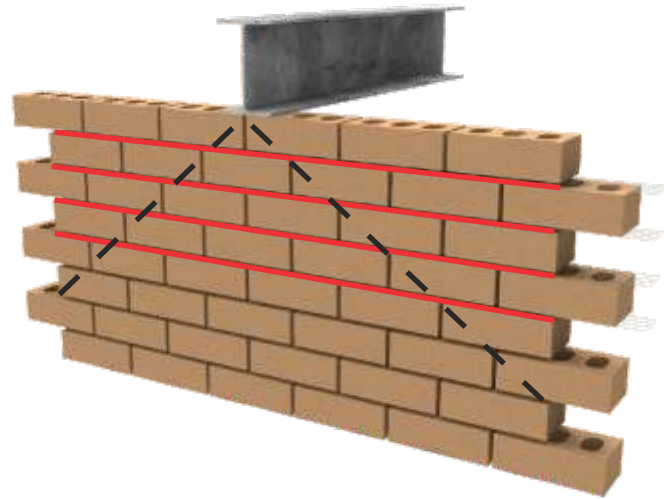


Gables Improve the stability of gables by reinforcing a joint every 300 mm

Ladder Mesh

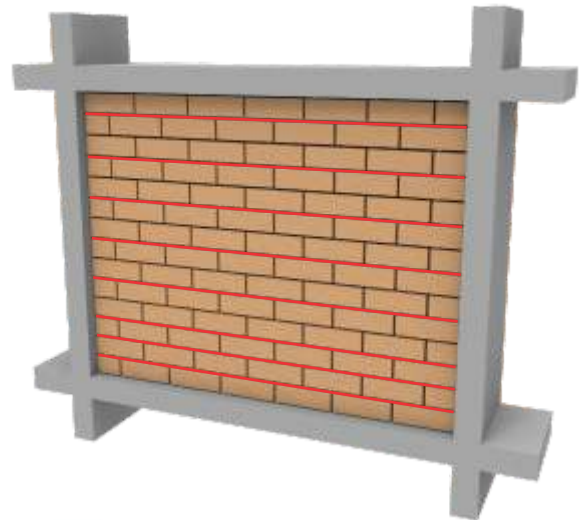
POINT LOADS

Concentrated loads can cause tensile stress and cracks in the masonry. Depending on the volume of the load, three to five layers of the underlying bed joints.



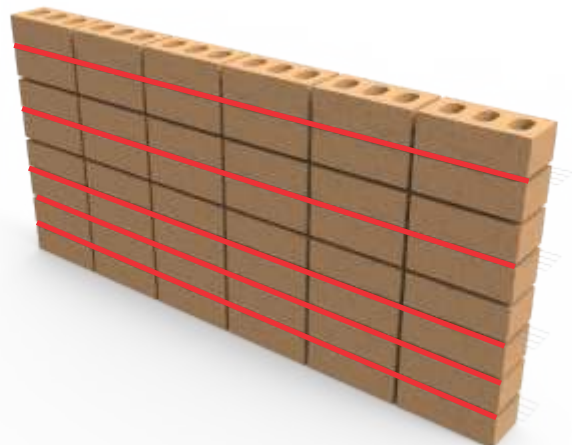
PARTI WALLS

Parti walls that are laid between slabs will start to crack in different places where there is too much sagging. To prevent this, you can reinforce and isolate the wall from the support with Ladder Mesh.



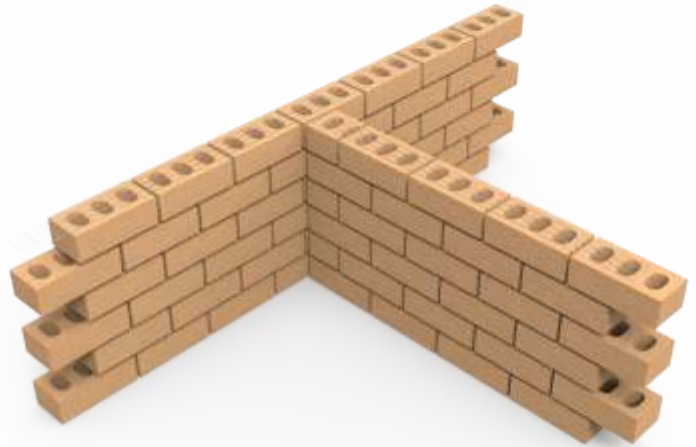
STACK BONDED MASONRY

Ladder Mesh guarantee's stability of the masonry with and without a stack bond. For masonry with a stack bond, the bricks are placed directly above each other, meaning reinforcement is essential for wall stability. With masonry without overlaps, reinforcement is required to compensate for insufficient bending bonding.



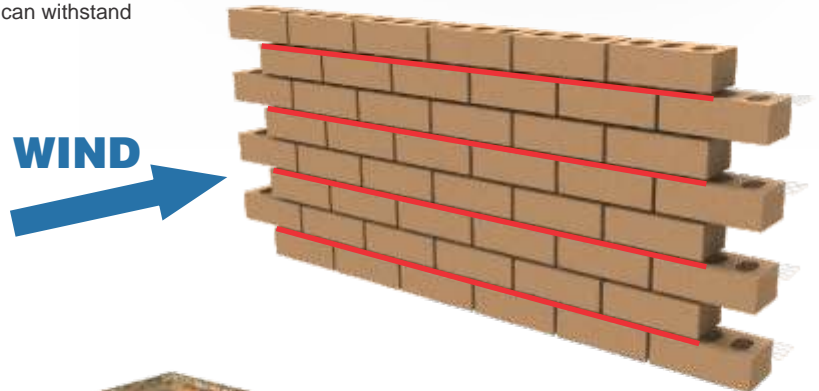
Ladder Mesh

CORNER AND T-CONNECTIONS



LATERALLY LOADED WALL PANELS

Ladder Mesh allows longer or thinner wall partitions that can withstand high wind loads.



STRESS CONCENTRATIONS

With level differences
At wall base
Above window and door openings
Under window sills

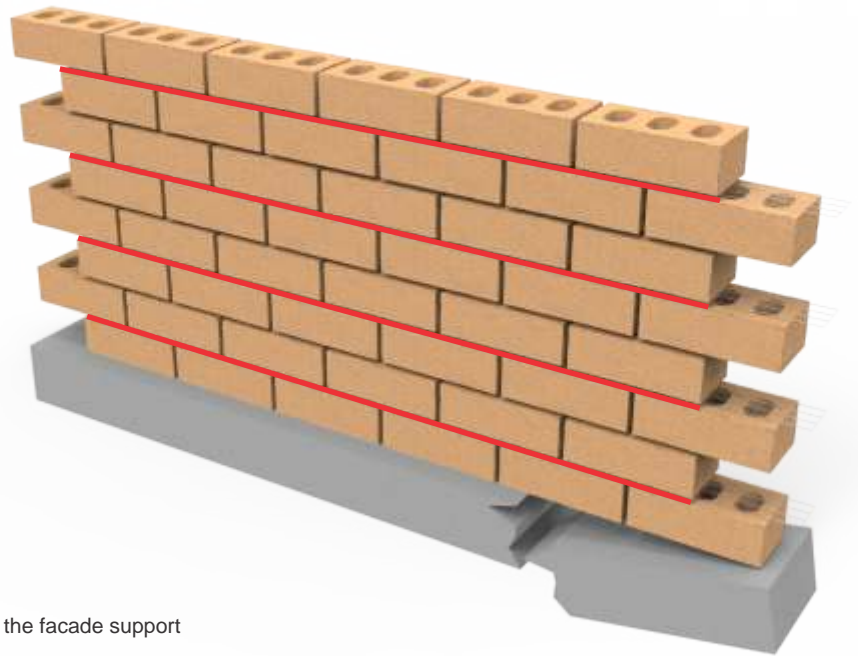


Ladder Mesh

DIFFERENTIAL SETTLEMENT

(such as garden walls)

Masonry on partly hardened soil or uneven terrain is susceptible to deformations and stresses. Therefore it is recommended to reinforce the masonry.



FACADE SUPPORT

Prevent cracks by reinforcing one or two joints above the facade support

