

Reinforcing Large Format Stack-Bonded Masonry



Ancon AMR
Masonry Reinforcement

Ancon[®]
BUILDING PRODUCTS

Reinforcing Stack-Bonded Masonry

Where large format masonry units are stacked one above the other, the lack of bonding between them will greatly reduce the overall flexural strength of the panel and the ability of the wall to spread vertical loads.

Ancon AMR Masonry Reinforcement, located in the bed joints, will increase the panel's flexural strength and improve the capacity to resist lateral loads and spread vertical loads.

The use of Ancon reinforcement referenced AMR/S/D3.5/W60 is normally recommended at vertical centres no greater than 300mm, usually every course or every other course depending on the height of the masonry unit. The illustration below uses a 215mm unit height.

This is typical advice for stack-bonded masonry up to 125mm wide. Thicker blocks require wider reinforcement.

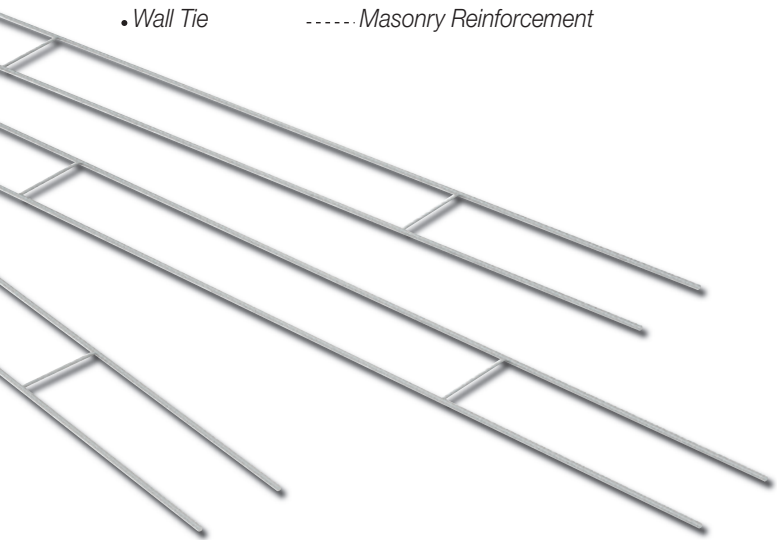
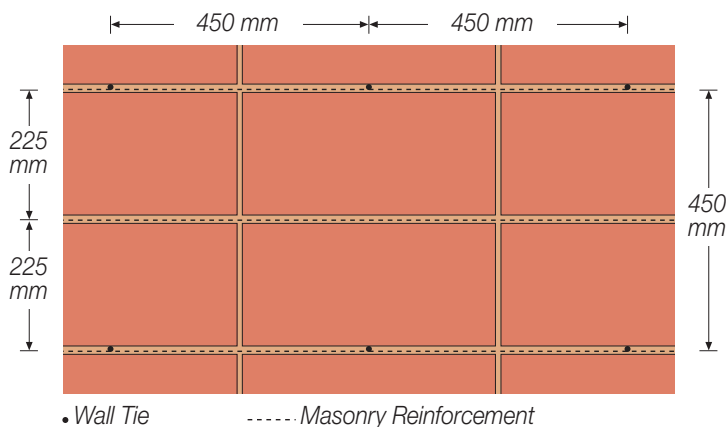
The addition of masonry reinforcement will also help with crack control.



The main longitudinal wires of this masonry reinforcement are flattened to less than 3mm. This profile ensures good mortar cover is maintained even when the product is lapped or used with wall ties.

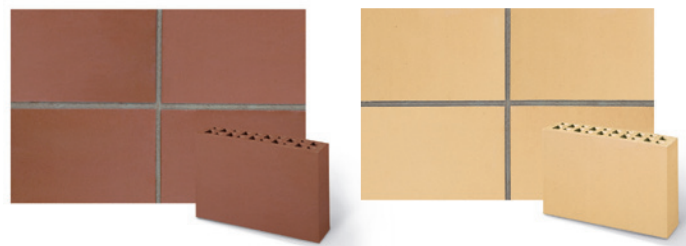
Prefabricated AMR units are also available to provide complete continuity of reinforcement where panels intersect i.e. corners, T-sections and X-sections.

Wall ties, generally RT2 type ties, should typically be installed at 450mm x 450mm centres, positioned at the centre of the blocks.



Suitable for use with the Ibstock Fireborn range.

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