

Ancon Building Products

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Ancon
BUILDING PRODUCTS



Meshwork Joint Reinforcement

By Ancon Building Products

Detailed description

Ancon AMR is a welded wire ladder type reinforcement, manufactured in 2700 mm standard lengths, used to improve the structural performance of masonry walls, in accordance with BS 5628-2: 2005, by providing additional resistance to lateral loads e.g. wind. It can also be used to reduce the risk of cracking either at stress concentrations around openings or as a result of movement, in accordance with BS 5628-3: 2005.

AMR is available in four standard widths, 60, 100, 150 and 175 mm and is suitable for walls 100–215 mm thick.

The product is manufactured from five wire sizes which, after flattening, have an equivalent wire diameter of 3, 3.5, 4, 4.5 and 5 mm. Longitudinal wires have a minimum characteristic yield strength of 500 N/mm².

Ancon AMR is available in austenitic stainless steel and galvanized steel. Galvanized steel is not suitable for use in the external leaf of a cavity wall.

Masonry Reinforcement for collar-jointed walls is also available from Ancon.

Ancon AMR-CJ is used to tie the two leaves of thin masonry together, so it acts as a single unit. The product consists of flat ties welded to flattened longitudinal wires. Manufactured in stainless and galvanized steel, AMR-CJ is supplied in a standard width of 175mm to suit a wall width of 215mm comprising of either standard bricks or 100mm blocks.

Ancon AMR-X features shaped cross wires which ensure the longitudinal wires are located in the centre of a bed joint, which help ensure an adequate bond, accelerates construction and improves build quality.

Options

AMR/S/D3.0/W60:

- Suitable for wall thickness 102 mm brick/100 or 125 mm block.
- 3 mm diameter wire.
- 60 mm wide.

AMR/S/D3.5/W60:

- Suitable for wall thickness 102 mm brick/100 or 125 mm block.
- 3.5 mm diameter wire.
- 60 mm wide.

AMR/S/D4.0/W60:

- Suitable for wall thickness 102 mm brick/100 or 125 mm block.

- 4 mm diameter wire.
- 60 mm wide.

AMR/S/D4.5/W60:

- Suitable for wall thickness 102 mm brick/100 or 125 mm block.
- 4.5 mm diameter wire.
- 60 mm wide.

AMR/S/D5.0/W60:

- Suitable for wall thickness 102 mm brick/100 or 125 mm block.
- 5 mm diameter wire.
- 60 mm wide.

AMR/S/D3.0/W100:

- Suitable for wall thickness 140 or 150 mm block.
- 3 mm diameter wire.
- 100 mm wide.

AMR/S/D3.5/W100:

- Suitable for wall thickness 140 or 150 mm block.
- 3.5 mm diameter wire.
- 100 mm wide.

AMR/S/D4.0/W100:

- Suitable for wall thickness 140 or 150 mm block.
- 4 mm diameter wire.
- 100 mm wide.

AMR/S/D4.5/W100:

- Suitable for wall thickness 140 or 150 mm block.
- 4.5 mm diameter wire.
- 100 mm wide.

AMR/S/D5.0/W100:

- Suitable for wall thickness 140 or 150 mm block.
- 5 mm diameter wire.
- 100 mm wide.

AMR/S/D3.0/W150:

- Suitable for wall thickness 190 or 200 mm block.
- 3 mm diameter wire.
- 150 mm wide.

AMR/S/D3.5/W150:

- Suitable for wall thickness 190 or 200 mm block.
- 3.5 mm diameter wire.
- 150 mm wide.

AMR/S/D4.0/W150:

- Suitable for wall thickness 190 or 200 mm block.
- 4 mm diameter wire.
- 150 mm wide.

AMR/S/D4.5/W150:

- Suitable for wall thickness 190 or 200 mm block.
- 4.5 mm diameter wire.
- 150 mm wide.

AMR/S/D5.0/W150:

- Suitable for wall thickness 190 or 200 mm block.
- 5 mm diameter wire.
- 150 mm wide.

AMR/S/D3.0/W175:

- Suitable for wall thickness 215 mm block.
- 3 mm diameter wire.
- 175 mm wide.

AMR/S/D3.5/W175:

- Suitable for wall thickness 215 mm block.
- 3.5 mm diameter wire.
- 175 mm wide.

AMR/S/D4.0/W175:

- Suitable for wall thickness 215 mm block.
- 4 mm diameter wire.
- 175 mm wide.

AMR/S/D4.5/W175:

- Suitable for wall thickness 215 mm block.
- 4.5 mm diameter wire.
- 175 mm wide.

AMR/S/D5.0/W175:

- Suitable for wall thickness 215 mm block.
- 5 mm diameter wire.
- 175 mm wide.

AMR-CJ/S/D3.0/W175:

- Suitable for wall thickness 215 mm.
- 3 mm wire diameter.
- 175 mm wide.

AMR-CJ/S/D3.5/W175:

- Suitable for wall thickness 215 mm.
- 3.5 mm wire diameter.
- 175 mm wide.

AMR-CJ/S/D4.0/W175:

- Suitable for wall thickness 215 mm.
- 4.0 mm wire diameter.
- 175 mm wide.

AMR-CJ/S/D4.5/W175:

- Suitable for wall thickness 215 mm.
- 4.5 mm wire diameter.
- 175 mm wide

AMR-CJ/S/D5.0/W175:

- Suitable for wall thickness 215 mm.
- 5.0 mm wire diameter
- 175 mm wide.

AMR-X/S/D3.0/W60:

- Suitable for wall thickness 100–125 mm brick/ block.
- 3 mm diameter wire.
- 60 mm wide.

AMR-X/S/D5.0/W60:

- Suitable for wall thickness 100–125 mm brick/ block.
- 5 mm diameter wire.
- 60 mm wide.

AMR-X/S/D3.0/W100:

- Suitable for wall thickness 140–150 mm block.

- 3 mm diameter wire.
- 100 mm wide.

AMR-X/S/D5.0/W100:

- Suitable for wall thickness 140–150 mm block.
- 5 mm diameter wire.
- 100 mm wide.

Product specification

Manufacturer

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- Email: info@ancon.co.uk
- Tel: +44 (0)114 275 5224
- Fax: +44 (0)114 276 8543
- Address: President Way,President Park,Sheffield,South Yorkshire S4 7UR

Product reference Meshwork Joint Reinforcement

Type	
	AMR/S/D3.0/W60 - Stainless steel.
	AMR/S/D3.5/W60 - Stainless steel.
	AMR/S/D4.0/W60 - Stainless steel.
	AMR/S/D4.5/W60 - Stainless steel.
	AMR/S/D5.0/W60 - Stainless steel.
	AMR/S/D3.0/W100 - Stainless steel.
	AMR/S/D3.5/W100 - Stainless steel.
	AMR/S/D4.0/W100 - Stainless steel.
	AMR/S/D4.5/W100 - Stainless steel.
	AMR/S/D5.0/W100 - Stainless steel.
	AMR/S/D3.0/W150 - Stainless steel.
	AMR/S/D3.5/W150 - Stainless steel.
	AMR/S/D4.0/W150 - Stainless steel.
	AMR/S/D4.5/W150 - Stainless steel.
	AMR/S/D5.0/W150 - Stainless steel.
	AMR/S/D3.0/W175 - Stainless steel.
	AMR/S/D3.5/W175 - Stainless steel.
	AMR/S/D4.0/W175 - Stainless steel.
	AMR/S/D4.5/W175 - Stainless steel.
	AMR/S/D5.0/W175 - Stainless steel.
	AMR/G/D3.0/W60 - Galvanised steel.
	AMR/G/D3.5/W60 - Galvanised steel.
	AMR/G/D4.0/W60 - Galvanised steel.
	AMR/G/D4.5/W60 - Galvanised steel.
	AMR/G/D5.0/W60 - Galvanised steel.
	AMR/G/D3.0/W100 - Galvanised steel.
	AMR/G/D3.5/W100 - Galvanised steel.
	AMR/G/D4.0/W100 - Galvanised steel.
	AMR/G/D4.5/W100 - Galvanised steel.
	AMR/G/D5.0/W100 - Galvanised steel.
	AMR/G/D3.0/W150 - Galvanised steel.
	AMR/G/D3.5/W150 - Galvanised steel.
	AMR/G/D4.0/W150 - Galvanised steel.
	AMR/G/D4.5/W150 - Galvanised steel.
	AMR/G/D5.0/W150 - Galvanised steel.
	AMR/G/D3.0/W175 - Galvanised steel.
	AMR/G/D3.5/W175 - Galvanised steel.
	AMR/G/D4.0/W175 - Galvanised steel.
	AMR/G/D4.5/W175 - Galvanised steel.
	AMR/G/D5.0/W175 - Galvanised steel.
	AMR-CJ/S/D3.0/W175 - Stainless steel.
	AMR-CJ/S/D3.5/W175 - Stainless steel.
	AMR-CJ/S/D4.0/W175 - Stainless steel.
	AMR-CJ/S/D4.5/W175 - Stainless steel.
	AMR-CJ/S/D5.0/W175 - Stainless steel.
	AMR-CJ/G/D3.0/W175 - Galvanised steel.
	AMR-CJ/G/D3.5/W175 - Galvanised steel.
	AMR-CJ/G/D4.0/W175 - Galvanised steel.
	AMR-CJ/G/D4.5/W175 - Galvanised steel.
	AMR-CJ/G/D5.0/W175 - Galvanised steel.
	AMR-X/S/D3.0/W60 - Stainless steel.
	AMR-X/S/D5.0/W60 - Stainless steel.
	AMR-X/S/D3.0/W100 - Stainless steel.
	AMR-X/S/D5.0/W100 - Stainless steel.