

STRUCTURAL DESIGN OF *mortarless* MASONRY to BS 5628:2005

DESIGN MANUAL - Part 2a

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200 mortarless (design tables) UNCHAMFERED

Design Manual Part 2a contains design tables for combinations of block grades (unconfined compressive strengths) and core fill grout strengths as follows:

BLOCK GRADES: 15 & 20 MPa
GROUT: C25/30 (Refer Part 1 Section 5)

AVAILABILITY of SUPPLY:

The 200 *mortarless* masonry units to which these design tables apply are available in the following regions:

Australia (Far North Queensland)
Asia (India)
Middle East (Oman, UAE)

Prior to specifying 200 *mortarless* masonry check proximity of nearest supplier with local Licensee.

DISCLAIMER:

This *mortarless* masonry Design Manual has been compiled to assist structural engineers quickly and efficiently prepare designs and details of load-bearing *mortarless* masonry structures and elements. Numerous design tables have been provided and these cover a broad range of typical design applications. While every care has been taken to ensure the information provided is accurate and complete for the design situations and actions covered, the information should only be used by experienced practising structural engineers, and all engineers should familiarise themselves with the full contents of the applicable Standards to ensure no requirement is overlooked. Mortarless Pty Ltd, its licensees and the author accept no liability whatsoever arising out of the use or misuse of the information provided in this design manual.

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- 1.1 Cross section dimensions and properties
- 1.2 Maximum heights and lengths of walls and piers for robustness

► **SECTION 2. DESIGN OF mortarless WALLS IN COMPRESSION:**

- 2.1 Load tables for walls constructed with 15MPa blocks
- 2.2 Load tables for walls constructed with 20MPa blocks

► **SECTION 3. DESIGN OF WALLS IN BENDING:**

- Reinforcing bar positions
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