

12456

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F10
Brick/ block walling

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To be read with Preliminaries/ General conditions.

TYPES OF WALLING

- 110 CLAY FACING BRICKWORK **TYPE A** - ABOVE DPC - To Front and Side Walls, Area refers to Architects Elevational Drawings
(ALTERNATIVE REPLACEMENT BRICK MAY BE USED LATER DUE TO COST ENGINEERING PURPOSE)
- Bricks: To BS EN 771-1.
 - Manufacturer: European Building Materials, 17 Raven Road, South Woodford, London, E18 1HB – Erkan Nihat 07909255555 .
 - Product reference: PETERSEN TEGL D98 DNF .
 - Recycled content: To manufacturer details .
 - Special shapes: 228mm x 108mm x 54mm .
 - Mortar: As section Z21.
 - Standard: To BS EN 998-2 .
 - Mix: To manufacturer recommendation .
 - Additional requirements: To manufacturer recommendation, colour TBC by architect from the sample panel provided, refer to clause Z21/131A .
 - Bond: Half lap stretcher .
 - Joints: Recessed .
 - Features:
 - Dimensional Tolerances: T1
 - Compressive Strength: >15N/mm²
 - Water Absorption mass: < 15%
 - The Durability designation of the bricks is to be F2
 - The soluble salt content is to be Category S2
- Brick can be used below DPC level .

Z21
Mortars

Z21 Mortars

To be read with Preliminaries/ General conditions.

CEMENT GAUGED MORTARS

- 110 CEMENT GAUGED MORTAR MIXES
- Specification: Proportions and additional requirements for mortar materials are specified elsewhere.
- 120 SAND FOR SITE MADE CEMENT GAUGED MASONRY MORTARS
- Standard: To BS EN 13139.
 - Grading: 0/2 (FP or MP).
 - Fines content where the proportion of sand in a mortar mix is specified as a range (e.g. 1:1: 5-6):
 - Lower proportion of sand: Use category 3 fines.
 - Higher proportion of sand: Use category 2 fines.
 - Sand for facework mortar: Maintain consistent colour and texture. Obtain from one source.
- 131A READY-MIXED LIMEBOND COLOURED MORTAR manufacturer - TARMAC or similar approved
- Standard: To BS EN 998-2.
 - Lime: Nonhydraulic to BS EN 459-1.
 - Type: CL 90S.
 - Pigments for coloured mortars: To BS EN 12878.
Colour to be selected by architect on site based on sample panel provided with two colour alternatives listed below:
 - Colour TYPE 1 - BLACK-GREY - Y4 LIGHT
 - Colour TYPE 2 - WHITE - Y101
 - Mortar Mix design TBC by structural engineer
- 160 CEMENTS FOR MORTARS
- Cement: To BS EN 197-1 and CE marked.
 - Types: Portland cement, CEM I.
Portland limestone cement, CEM II/A-L or CEM II/A-LL.
Portland slag cement, CEM II/B-S.
Portland fly ash cement, CEM II/B-V.
 - Strength class: 32.5, 42.5 or 52.5.
 - White cement: To BS EN 197-1 and CE marked.
 - Type: Portland cement, CEM I.
 - Strength class: 52.5.
 - Sulfate resisting Portland cement:
 - Type: To BS EN 197-1 Sulfate resisting Portland cement, CEM I/SR and CE marked.
To BS EN 197-1 fly ash cement, CEM II/B-V and CE marked.
 - Strength class: 32.5, 42.5 or 52.5.
 - Masonry cement: To BS EN 413-1 and CE marked.
 - Class: MC 12.5.