

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 D51 DNF .
 - Recycled content: To manufacturer details .
 - Special shapes: 220mm x 105mm x 65mm .
 - Mortar: As section Z21.
 - Standard: To BS EN 998-2 .
 - Mix: To manufacturer recommendation .
 - Additional requirements: To manufacturer recommendation .
 - Bond: Flemish bond .
 - 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 S2Brick can be used below DPC level .
- 110A CLAY FACING BRICKWORK **TYPE B** - ABOVE DPC - To Corner Back and Side Walls, Area refers to Architect 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: ROBEN OSLO Pearl White Smooth UK .
 - Recycled content: To manufacturer details .
 - Special shapes: 215mm x 102.5mm x 65mm .
 - Mortar: As section Z21.
 - Standard: TBC .
 - Mix: To manufacturer recommendation .
 - Additional requirements: To manufacturer recommendation .
 - Bond: Flemish bond .
 - Joints: recessed .
 - Features:
 - Dimensional Tolerances: T2
 - Compressive Strength: >100N/mm²
 - Water Absorption mass: < 1.5%
 - The Durability designation of the bricks is to be F2
 - The soluble salt content is to be Category S2Brick can be used below DPC level .

110B CLAY FACING BRICK SLIP EXTERNAL WALLING TYPE B PREFABRICATED BRICK SLIP PANEL TO MATCH ROBEN OSLO Pearl White Smooth BRICKWORKS. To Back Wall at North West corner above 1st floor.

FOR WALL BUILD-UP REFERS TO EXTERNAL WALL TYPE 04A . FOR AREAS REFER TO ARCHITECTS ELEVATIONAL DRAWINGS.

(ALTERNATIVE REPLACEMENT BRICK MAY BE USED LATER DUE TO COST ENGINEERING PURPOSE)

- Bricks: To BS EN 771-1.
 - Manufacturer: IG or similar approved, needs to be also suitable to Innovare systems recommendations .
 - Product reference: Samples submitted to the Architect approval.
 - Recycled content: To manufacturer details.
 - Special shapes: 215mm x65mm.
 - Bround Ground: 9mm MGO board or to manufacturers recommendation, adhesive - as per manufacturers details. Substrate 18mm OSB.
 - Mortar: As section Z21.
 - Standard: TBC.
 - Mix: To manufacturer recommendation.
 - Additional requirements: To manufacturer recommendation and to match relevant type of facing bricwork mortar .
- Bond: Flemish bond.
- Joints: recessed.
- Features: Dimensional Tolerances: TM
Water Absorption mass: < 16%
The Durability designation of the bricks is to be F2
The soluble salt content is to be Category S2 .

110C CLAY FACING BRICK SLIP EXTERNAL WALLING TYPE A PREFABRICATED BRICK SLIP PANEL TO MATCH PETERSEN BRICKWORKS.

FOR WALL BUILD-UP REFERS TO EXTERNAL WALL TYPE 03D. 04C. FOR AREAS REFER TO ARCHITECTS ELEVATIONAL DRAWINGS AND DETAIL 48-9,10,12,13

(ALSO, REFER TO NBS F10/Clause 810A FOR DETAILS)

- Bricks: To BS EN 771-1.
 - Manufacturer: IG or similar approved, needs to be also suitable to Innovare systems recommendations .
 - Product reference: Samples panel submitted to the Architect approval.
 - Recycled content: To manufacturer details.
 - Brick Slip Facing shapes: 220mm x 65mm.
 - Bround Ground: 9mm MGO board or to manufacturers recommendation, adhesive - as per manufacturers details. Substrate 18mm OSB.
 - Mortar: As section Z21.
 - Standard: TBC.
 - Mix: To manufacturer recommendation.
 - Additional requirements: To manufacturer recommendation and to match relevant type of facing bricwork mortar .
- Bond: Flemish bond.
- Joints: recessed.
- Features: Dimensional Tolerances: TM
Water Absorption mass: < 16%
The Durability designation of the bricks is to be F2
The soluble salt content is to be Category S2 brick slip panel for soffit above entance in East elevation to be ventilated - refer to detail 48-09 .

- 355 CONCRETE COMMON BLOCKWORK Generally for Inner leaf of the external cavity walls & Internal walls at the G/F above and below DPC
- Blocks: To BS EN 771-3.
 - Manufacturer: Aggregate Industries - Masterblock concrete blocks & architectural facing masonry or similar
 - Web: www.aggregate.com.
 - Email: building.products@aggregate.com.
 - Product reference: Masterdenz or similar approved.
 - Configuration: Group 1..
 - Compressive strength:
 - Mean value: 7.3 N/mm² and 10.4 N/mm². REFER TO GA DRAWINGS FOR LOCATION..
 - Characteristic value: 7.3 N/mm² (the minimum density for below DPC USE) & 10.4 N/mm²..
 - Category: II..
 - Freeze/ Thaw resistance: Frost resistant..
 - Thermal properties: Thermal conductivity: 0.46 W/mK..
 - Recycled content: TBC.
 - Work sizes (length x width x height): 440 x 100 x 215 mm.
 - Tolerance category: D1.
 - Special shapes: None..
 - Additional requirements: Density: 1350 kg/m³..
 - Mortar: As section Z21.
 - Standard: To BS EN 998-2..
 - Mix: 1:1:6 cement:lime:sand..
 - Additional requirements: None..
 - Bond: Half lap stretcher.

- 360 AUTOCLAVED AERATED CONCRETE (AAC) COMMON BLOCKWORK the external wall pillar at GF at North and South East corner - ref to detail 40-10, 48-19. To be used also as a starting course for internal partitions
- Blocks: To BS EN 771-4.
 - Manufacturer: H+H UK Ltd, Web: www.hhcelcon.co.uk.
 - Product reference: Celcon High Strength Grade Blocks.
 - Configuration: Solid.
 - Mean compressive strength (minimum): 7.3 N/mm².
 - Category: I.
 - Thermal conductivity (maximum): 0.18 W/mK.
 - Recycled content: Contractor's choice.
 - Work sizes (length x width x height): 440 x 100 x 215 mm.
 - Tolerance category: GPLM.
 - Special shapes: None .
 - Additional requirements: Celcon Foundation Blocks to be used below DPC level .
 - Mortar: As section Z21.
 - Standard: To BS EN 998-2.
 - Mix: 1:1:6 cement:lime:sand.
 - Additional requirements: None.
 - Bond: Half lap stretcher.

TESTING

- 400 HARD LANDSCAPING MATERIALS SPECIFICATION
- Minimum BRE 'Green Guide to Specification' online rating: A+.