

**F10**

**Brick/ block walling**

## F10 Brick/ block walling

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/mm<sup>2</sup>
    - 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/mm<sup>2</sup>
    - 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 ROSEN 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.
    - Brond 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 brickwork 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.
    - Brond 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 brickwork 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 entrance 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](http://www.aggregate.com).
      - Email: [building.products@aggregate.com](mailto:building.products@aggregate.com).
    - Product reference: Masterdenz or similar approved.
    - Configuration: Group 1..
    - Compressive strength:
      - Mean value: 7.3 N/mm<sup>2</sup> and 10.4 N/mm<sup>2</sup>. REFER TO GA DRAWINGS FOR LOCATION..
      - Characteristic value: 7.3 N/mm<sup>2</sup> (the minimum density for below DPC USE) & 10.4 N/mm<sup>2</sup>..
    - 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/m<sup>3</sup>..
  - 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](http://www.hhcelcon.co.uk).
    - Product reference: Celcon High Strength Grade Blocks.
    - Configuration: Solid.
    - Mean compressive strength (minimum): 7.3 N/mm<sup>2</sup>.
      - 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+.