

F30 Accessories/ sundry items for brick/ block/ stone walling

To be read with Preliminaries/ General conditions

CAVITIES**120A CLEANLINESS**

- Clean off surplus mortar from joints on cavity faces as the work proceeds. Keep cavities, ties and DPCs free from mortar and debris with laths or other suitable means.

132A PERPEND JOINT PLASTICS WEEP HOLES

- Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
 - Colour: To match bricks..
- Locations: Through outer leaf immediately above base of cavity, at cavity trays, stepped dpcs and external openings.75 mm above top of cavity fill at base of cavity.
- Provision: At not greater than 1000 mm centres and not less than two over each opening. To meet building control requirements.

150A CAVITY WALL INSULATION

Manufacturer: ROCKWOOL Ltd. Or equal approved

- Web: www.rockwool.co.uk.
- Email: info@rockwool.com.
- Product reference: Rockwool Cavity Wall Batts
- Thickness: 100mm for basement cavity walls, or as required / shown on drawings.

155A PARTIAL FILL CAVITY INSULATION

- Manufacturer: Kingspan Insulation.
 - Web: www.kingspaninsulation.co.uk.
 - Email: info@kingspaninsulation.co.uk.
 - Product reference: Kooltherm® K108 Cavity Board
 - Insulation thickness: [100mm].

160A AIR BRICKS IN EXTERNAL WALLING

- Standard: To BS 493, class 1.
- - Manufacturer: Submit proposals.
 - Product reference: Submit proposals.
 - Apertures: Rectangular hole.
 - Work sizes: To match existing bricks.
 - Material/ Colour: To match adjoining bricks.
 - Placement: Built in with no gaps at joints.

Air bricks to include cavity sleeves where required to bridge the cavity walls to internal areas. Where the external ground level is not at the same level, telescopic extension sleeves to also be utilised.

Contractor to determine locations and number of ventilation bricks/ducting required to adequately ventilate underfloor area and to meet building control requirements (to achieve at least 1500mm² per linear metre or 500mm²/m² of floor area provided on opposing sides, whichever gives the greater opening area), including linking up with other voided areas (including existing) to ensure adequate cross ventilation for the whole sub ground floor. This includes fitting ventilation bricks into new inner floor supporting walls to maintain cross flow.

Contractor to discuss requirements with building control prior to implementation and ventilate accordingly.

To be fitted to meet building control requirements and using best building practice.

REINFORCING/ FIXING ACCESSORIES**211A CAVITY WALL TIES USED WITH PARTIAL FILL INSULATION [FOR 150MMCAVITY WALLS USING PARTIAL FILL INSULATION]**

Manufacturer: Ancon Building Products.

- Web: www.ancon.co.uk.
- Email: info@ancon.co.uk.
- Product reference: Staifix HRT4 Wall tie or equal approved. To suit structural engineers specifications.
- Length: 275 mm or as suitable for cavity.

- Material: Stainless steel

To include tie mounted insulation retaining clips: As recommended by the manufacturer. Wall ties to contractors design, including positioning.

FLEXIBLE DAMP PROOF COURSES/ CAVITY TRAYS**330A DAMP PROOF COURSES; FLEXIBLE SHEET CAVITY TRAYS; PREFORMED DPC/ CAVITY TRAY JUNCTION CLOAKS/ STOP ENDS**

Manufacturer: Visqueen Building Products, Maerdy Industrial Estate, Rhymney, Tradegar, NP22 5PY. Tel: 01685 804672 Fax: 01685 842580 Email:

enquires@visqueenbuilding.co.uk Web: www.visqueenbuilding.co.uk. Or equal approved. Reference: Visqueen Zedex CPT High Performance DPC system, Agrément Certificate No. 94/3059.

Use/location: All brick, stone or block course mortar beds 150mm above ground levels internally and externally.

Preparation/Installation: Ensure Zedex CPT DPC is installed following good practice set out in BS 5628: Part 3: 2005. All DPCs must extend through the full thickness of the wall leaf, including pointing, applied rendering or other facing materials, and project beyond the external face by 5mm.

Zedex CPT DPC must be laid on an even bed of wet mortar and perforations in adjacent courses of brickwork must be completely filled with mortar. All lap joints in the DPC must have 100mm overlap and be completely sealed using Zedex DPC Jointing Tape. Complete all work strictly in accordance with Agrément Certificate 94/3059.

To be fitted to manufacturers requirements and in accordance with the relevant British Standards and BBA certification.

345A FLEXIBLE SHEET CAVITY TRAYS

- Manufacturer: Visqueen Building Products, Maerdy Industrial Estate, Rhymney, Tradegar, NP22 5PY. Tel: 01685 804672 Fax: 01685 842580 Email:

enquires@visqueenbuilding.co.uk Web: www.visqueenbuilding.co.uk. Or equal approved. Reference: Visqueen Gas Resistant (GR) DPC system.

Use/location: All brick, stone or blockwork where a cavity is formed requires a two-dimensional linear run of cavity tray formed on site to prevent water and gas ingress to the internal skin. To include all ground level DPCs.

- Preparation/Installation: Ensure Gas Resistant (GR) DPC is installed following good practice set out in BS 5628: Part 3: 2005, BS 8215 Design & Installation of Damp Proof Courses in Masonry Construction. 1991. Also meets the requirements of CIRIA C665 and BRE 414 and BRE 211. All cavity trays must be laid on an even bed of wet mortar in both internal and external walls or alternatively linked to the gas proofing by face-fixing to the internal leaf using Zedex DPC Fixing Strip & Pins (Grey Fixing Pins for masonry/ Black Fixing Pins for RUF insulation) and laid in the external mortar bed. All lap joints in the cavity tray must have 100mm overlap and be completely sealed using Zedex DPC Jointing Tape. All changes in direction and/ or level require the application of a Visqueen Preformed Unit. Ensure all joints between Preformed Unit and Gas Resistant (GR) DPC are sealed as above.

- To be fitted to manufacturers requirements and in accordance with the relevant British Standards and BBA certification.

385A PREFORMED DPC/ CAVITY TRAY JUNCTION CLOAKS

- Manufacturer: Visqueen Building Products, Maerdy Industrial Estate, Rhymney, Tradegar, NP22 5PY. Tel: 01685 804672 Fax: 01685 842580 Email: enquires@visqueenbuilding.co.uk Web: www.visqueenbuilding.co.uk. Or equal approved.
- Reference: Visqueen Preformed Units.
Use/location: All brick, stone or blockwork where a cavity is formed and a two-dimensional linear run of cavity tray is formed on site shall require high frequency welded Visqueen Preformed Units to all three-dimensional details, to prevent water ingress to the internal skin. Types as shown on construction drawings.
- Preparation/Installation: Ensure Visqueen Preformed Units are installed following good practice set out in BS 5628: Part 3: 2005. All Preformed Units must be laid on an even bed of wet mortar in both internal and external walls or alternatively linked to the gas proofing by face-fixing to the internal leaf using Zedex DPC Fixing Strip & Pins and laid in the external mortar bed. All lap joints with the cavity tray must be 100mm overlap and be completely sealed using Zedex DPC Jointing Tape.
To be fitted to manufacturers requirements and in accordance with the relevant British Standards and BBA certification.

INSTALLATION OF DPCS/ CAVITY TRAYS

400 COLD WEATHER WORKING

- Zedex DPC Jointing Tape should be stored in a warm location prior to use.

415A HORIZONTAL DPCS

- - Lay in continuous lengths on a full even bed of fresh mortar, with 100 mm laps at joints and full laps at angles. All overlaps must be sealed using Zedex DPC Jointing Tape.
- - Width of Visqueen Gas Resistant (GR) DPC to be at least full width of masonry leaf unless otherwise specified. Do not cover edges of DPC with mortar.
- - Immediately lay at least one further course of masonry on a thin even bed of fresh mortar. Keep finished joint thickness as close to normal as practicable.
- - All penetrations by brick ties, reinforcing bars etc must be sealed using Visqueen Self Adhesive GR Detailing Strip.

425A GROUND LEVEL DPCS

- Ensure continuity of DPC with Visqueen damp or gas proof membrane.

435A STEPPED DPCS

- Where DPCs are installed in external walls on sloping ground, ensure that they are never less than 150 mm above finished ground level and all changes in level are sealed using Visqueen Preformed Units.

445A SILL DPCS

- To be in one piece and turned up at the back

455A COPING/ CAPPING DPCS

- Bed DPCs and copings/cappings in one operation to ensure maximum bond between masonry units, mortar and DPC. Provide support for the DPC across the cavity.

475A CAVITY TRAYS FORMED IN SITU

DPCs which span cavities to prevent the downward ingress of water and upward movement of gases to be:

- Accurately formed to the profiles shown on drawings, and firmly secured.

- Lapped at least 100 mm and sealed using Zedex DPC Jointing Tape in accordance with manufacturer's recommendations to ensure a fully watertight and gas proof installation.
- Carefully cleaned to remove debris and mortar droppings before they set.
- Carefully protected from perforation and other damage.

485A CAVITY TRAYS OVER OPENINGS AND OTHER CAVITY BRIDGINGS

- To extend not less than 150 mm beyond ends of lintels/ bridgings ensuring Visqueen Preformed Stop End Units are incorporated.

495 GAS RESISTANT DPCs / CAVITY TRAYS

- Manufacturer: Visqueen Building Products Maerdy Industrial Estate Rhymney NP22 5PY
Tel: 01685 840 672 Fax: 01685 842580 Web: visqueenbuilding.co.uk
- Reference: Visqueen Gas Resistant (GR) DPC system.
- Use/location: All brick, stone or block course mortar beds 150mm above ground levels internally and externally.
- Preparation/Installation: Ensure Gas Resistant (GR) DPC is installed following good practice set out in BS 5628: Part 3: 2005, BS 8215 Design & Installation of Damp Proof Courses in Masonry Construction. 1991. Also meets the requirements of CIRIA C665 and BRE 414 and BRE 211. All DPCs must extend through the full thickness of the wall leaf, including pointing, applied rendering or other facing materials, and project beyond the external face by 5mm. Gas Resistant (GR) DPC must be laid on an even bed of wet mortar and perforations in adjacent courses of brickwork must be completely filled with mortar. All lap joints in the DPC must have 100mm overlap and be completely sealed using Zedex DPC Jointing Tape. Complete all work strictly in accordance with manufacturers recommendations.

535A FACEWORK

- Leading edge of DPCs/ cavity trays to project 5 mm from face of wall

560A VERTICAL DPCS GENERALLY

To be in one piece wherever possible; otherwise overlap by not less than 100 mm with upper piece outermost and fully seal using Zedex DPC Jointing Tape. All penetrations by brick ties, reinforcing bars etc must be sealed using Visqueen Self Adhesive Detailing Strip.

570 JAMB DPCS AT OPENINGS

- Joint with cavity tray/ lintel at head: Full underlap.
- Joint with sill/ horizontal dpc at base: Full overlap.
- Projection into cavity: Not less than 25 mm.
- Relationship with frame: In full contact.

JOINTS

610A MOVEMENT JOINTS WITH SEALANT TO BRICKWORK

- Movement joints to contractors design.
Joint preparation and sealant application: As section Z22.
 - Filler: Contractor's choice.
 - Thickness: To match design width of joint.
 - Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
 - Placement: Build in as work proceeds with no projections into cavities and to correct depth to receive sealant system.
 - Sealant:
 - Designation: Contractor's choice.
 - Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
 - Colour: To match adjoining brickwork.
- Contractor to submit location of all movement joints to Architect for agreement on

locations around the building. Consideration should be given to locate expansion joints in unobtrusive positions.

610B MOVEMENT JOINTS WITH SEALANT TO BLOCKWORK

- Movement joints to contractors design.
Joint preparation and sealant application: As section Z22.
- Filler: Contractor's choice.
 - Thickness: To match design width of joint.
 - Manufacturer: Contractor's choice.
Product reference: Contractor's choice.
 - Placement: Build in as work proceeds with no projections into cavities and to correct depth to receive sealant system.
- Sealant:
 - Designation: Contractor's choice.
 - Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
 - Colour: To match adjoining mortar.
Contractor to submit location of all movement joints to Architect for agreement on locations around the building.

650 POINTING IN FLASHINGS

- Joint preparation: Free of debris and lightly wetted.
- Pointing mortar: As for adjacent walling.
- Placement: Fill joint and finish flush.

660 PINNING UP TO SOFFITS

- Top joint of loadbearing walls: Fill and consolidate with mortar.

MISCELLANEOUS ITEMS

840 OPENINGS FOR FRAMES

- Formation: Use accurate, rigid templates to required size.

850 WALL PLATES

- Placement: On full bed of mortar to correct horizontal level.