

Visqueen Gas Resistant (GR) DPC System

F30 ACCESSORIES/SUNDRY ITEMS FOR BRICK/BLOCK/STONE WALLING

To be read with Preliminaries/General conditions.

120 CAVITIES**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.

345 FLEXIBLE SHEET CAVITY TRAYS:

- **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.
- **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
- **Reference:** Visqueen Gas Resistant (GR) DPC system.

385 PREFORMED DPC CAVITY TRAY JUNCTIONS:

- **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.
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- **Reference:** Visqueen Preformed Units.

INSTALLATION OF DPCS/CAVITY TRAYS**400 COLD WEATHER WORKING:**

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

415 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.

NBS SPECIFICATION CLAUSES

- 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.

425 GROUND LEVEL DPCS:

Ensure continuity of DPC with Visqueen gas proof membrane.

435 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.

475 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.

495 GAS RESISTANT DPCs / CAVITY TRAYS

- **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.
- **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.

535 FACEWORK:

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

560 VERTICAL DPCS:

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 GR Detailing Strip.