

VISQUEEN

ZEDEX
CPT DAMP PROOF COURSE



Zedex DPC Application Guide

VISQUEEN
BUILDING PRODUCTS

Applications

Zedex CPT High Performance Damp Proofing System has been designed for use in all modern construction applications. Zedex CPT High Performance DPC is suitable for use as a horizontal or vertical damp proof course and can also be used for cavity trays and stepped applications. Zedex CPT High Performance DPC is coloured black as standard however mortar-match white and mortar-match brown are also available.

Zedex CPT High Performance DPC is generally unaffected by adverse weather conditions and normal, ambient temperature variations - the material remains flexible, is easy to work and will not become tacky. This ensures that work can be carried out in most weathers.

Zedex CPT High Performance DPC is part of a range of compatible waterproofing products, including Damp Proof Membranes, Gas Proof Membranes and Self Adhesive or Torch On Tanking Membranes.

Storage and Handling

Due to its robust nature, Zedex CPT High Performance DPC requires no special conditions for storage or handling.

Specification

To specify Zedex CPT High Performance Damp Proofing System the following statement can be used:

All Flexible Damp Proof Course, Flexible Sheet Cavity Trays and Pre-Formed Cavity Trays Units to be:

Product Reference:
Zedex CPT High Performance DPC (Black, White or Brown)
Zedex CPT Pre-Formed Cavity Tray Units

Manufacturer:
Visqueen Building Products

Product Dimensions and Supply Information

Standard Roll Sizes Zedex CPT High Performance DPC		
Roll Width (mm)	Roll Length (m)	m ² Per Roll (m ²)
100	20	2
112.5	20	2.25
150	20	3
225	20	4.50
300	20	6
337.5	20	6.75
450	20	9
600	20	12
900	20	18
Greater and non-standard dimensions can be provided on request. Rolls are packed individually.		

Zedex CPT High Performance DPC has BBA accreditation (Certificate No. 94/3059).

Availability

Zedex CPT High Performance DPC is available from selected builders' merchants and distributors throughout the UK. Details of your nearest stockist can be obtained from Visqueen Technical Support on 0845 302 4758.



Installation Guidelines

Zedex CPT High Performance DPC

must extend through the full thickness of the wall, including pointing, rendering or any other facing material and must project beyond the internal and external faces by 5mm. It is recommended that an oversized DPC be used to ensure a good 5mm projection.

Zedex CPT High Performance DPC

must be laid on an even, wet bed of mortar, and any perforations in adjacent courses of brickwork must be completely filled with mortar. A further layer of mortar should cover the DPC before the next layer of bricks is installed. Dry laying of any horizontal DPC reduces the structural integrity of the wall. The higher mortar adhesion of Zedex CPT High Performance DPC allows it to be used in applications suitable for a flexible DPC.

Whenever Zedex CPT High Performance DPC

is cut to length, a sharp blade should be used to ensure an even edge. This will aid the forming of waterproof seal where required.

At the base of a wall, the DPC must be installed at least 150mm above ground level.

When used in conjunction with boot lintels, or similar construction features, it is recommended that Zedex CPT High Performance DPC is installed to follow the lintel and should extend beyond the ends of the lintel by at least 150mm.

When used as a vertical DPC to window or door openings, a minimum 150mm width Zedex CPT High Performance DPC is recommended (rather than the nominal 100mm). This is to ensure full protection of the inner leaf return and to allow full contact with door or window frame.

Jointing

All joints between lengths of DPC must be a minimum of 100mm, lapped and bonded using Zedex DPC Jointing Tape.

All joints between lengths of cavity tray and joints between cavity trays and pre-formed cavity tray units must be minimum of 100mm, lapped and bonded using Zedex DPC Jointing Tape.

Surface Fixing

When the construction programme or the design require the cavity tray to be post or surface fixed to the cavity face of the inner leaf, the surface must first be primed and the DPC bonded to the surface using Zedex DPC Jointing Tape.

Permanent fixing of the DPC is then completed using Zedex DPC Fixing Strip and Pins secured at 150mm centres.

Zedex CPT High Performance DPC

is compatible with bituminous liquid DPM, and bituminous jointing systems as well as Polythene DPM, self-adhesive membranes and other complementary damp proofing products.

Weep holes should be left in the outer leaf of the brickwork immediately above a DPC cavity tray. There should be at least 2 weep holes over each window or door opening. The cavity tray should be cleaned regularly during construction to avoid mortar droppings obstructing the weep holes.

Special care should be taken when:

- Using cavity battens to prevent mortar droppings from reaching the DPC.
- Removing excess mortar and mortar droppings before they harden.
- Inspecting cavity trays and DPC during all phases of construction for any damage or incorrect methods of installation.

Zedex CPT High Performance DPC

installation must follow normal good practice for the detailing of damp proof courses, as set out in the relevant clauses of:

BS 5628: 2005

Code of Practice for Use of Masonry

Part 3: Materials and components, design and workmanship

BS 8000: 1989

Workmanship on Building Sites

Part 3: Code of practice for masonry

Part 4: Waterproofing

BS 8215: 1991

Design and Installation of Damp Proof Courses in Masonry Construction

Technical Support

For further advice or assistance contact
Zedex Technical Support on 0845 302 4758

Damp Proofing Check List

An easy to follow list of some of the key factors to take into consideration when damp proofing your project.

- Assess weather exposure
- Assume outer skin is always wet on the inside
- Expected life of the DPC must equal the life of the building
- DPC must resist compression without extrusion
- DPC must resist sliding
- DPC must provide adequate adhesion to mortar
- All damp proofing should resist accidental damage including tearing
- DPC should remain workable at all temperatures
- DPC must project beyond protected areas
- Do not point over DPCs. This will promote ingress of damp
- Cavity trays should be placed above all cavity bridges
- Support cavity tray where possible
- Weepholes must be provided where necessary
- Check for compatibility with adjacent materials
- Check for cold bridges
- Check for continuity at overlaps, joints and stop-ends
- Always seal laps
- Use DPC under internal partitions if necessary
- Consider health and safety aspects, cleanliness and COSHH
- Do not use a flexible DPC at the base of freestanding walls
- Always lay DPC in a wet bed of mortar
- Use oversize DPC's to jambs to ensure complete protection
- Use self adhesive DPM where below normal ground level
- Design your DPC/DPM system integrally with cavity and other insulation material
- Choose basement-tanking systems in conjunction with construction method
- Do you need a Gas resistant DPC and DPM?



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