



AQUEOUS D.P.C. FLUID

DESCRIPTION.

Kingfisher Aqueous DPC Fluid is a concentrated solution of potassium methyl silicate, which must be diluted 1 part concentrate with 7 parts water by volume for end use.

When applied to brickwork or masonry the silicate develops water repellence through reaction with carbon dioxide in the atmosphere.

The silicone resin thus formed, bonds to the masonry and provides a barrier to capillary rise of water.

Kingfisher Aqueous DPC Fluid is applied as instructed in BS6575 by injection/diffusion into the mortar joints.

PREPARATION.

Erect safety notices "Caustic Liquid Under Pressure" particularly when working in areas where the public are present. Advise interested parties of treatments being undertaken, especially neighbours in adjoining properties who share party walls..

Observe safety precautions when handling **Kingfisher Aqueous DPC Fluid** and wear gloves and goggles when injecting.

Remove exterior rendering or other covering to reveal the DPC line to be injected. Remove internal floor coverings and furniture to gain access to walls to be treated.

Remove skirting and fixing grounds. Remove plaster to a height of 1 metre or 500mm above the damp line. Protect plants, paths and glass from splashes. Aluminium door and window frames should also be protected.

Any spillage should be wiped away immediately from such surfaces.

Drilling

Holes are drilled 10 – 14 mm diameter and taken to approximately 40mm of the full wall thickness (if drilled from one side) 115mm thick walls.

Where drilling is to be carried out on both sides for walls greater than 220mm thick, holes should be taken to less than 40mm from each other in the centre of the wall and preferably overlap.

For walls of greater thickness a series of multiple drilling and injection should be used to ensure in – depth saturation.

Holes should be drilled parallel to the floor or angled downwards, ending in a mortar bed.

Where multiple injection is required it is important to calculate the time taken to saturate on the first injection and also the amount of fluid used. Applying the same conditions to subsequent injections will allow correct injection to hidden masonry.

Cavity walls can be injected from either side or from both sides.

APPLICATION

The damp proof course is inserted in accordance with BS,CP:102(1973) "Protection of Buildings against Water from the Ground"

Holes should be spaced a maximum of 150mm apart. It is important that the applied DPC forms a complete line along the walls in accordance with BS,CP:102(1973). Vertical damp proof courses should be inserted to accommodate changes in ground level or to isolate treated walls from adjoining untreated walls. In the latter case the vertical DPC should be 100mm high minimum.

Kingfisher Aqueous DPC Fluid should be diluted in the ratio, 1 part fluid to 7 parts water and be applied at an injection pressure of 20 – 65 psi (150 – 500kPa).

COVERAGE.

Kingfisher Aqueous DPC Fluid diluted at the rate specified will treat approx.....

1.13 – 1.50 litres/metre on 115 mm brickwork or

2.25 – 3.00 litres/metre on 230 mm brickwork.

PACKAGING.

Supplied in 25 litre plastic containers.

HEALTH & SAFETY

Care should be taken when handling this product as it is an irritant and corrosive to the eyes and skin.

Wear gloves and goggles during use.

For further Health and Safety information on this product please refer to the Kingfisher Safety Data Sheet, copies of which are available from the Kingfisher Technical Dept. Tel. 01229 869100 or Fax 01229 868101.