INSERTING THE FREEZTEQ

EACH HOLE MUST RECEIVE FOUR APPLICATIONS, AS FOLLOWS:

Cut off the end of the frozen FREEZTEQ pack using scissors or a Stanley knife.

WEARING RUBBER GLOVES, gently squeeze out the frozen FREEZTEQ and insert into a pre-drilled hole. Sufficient FREEZTEQ must be used to fill the hole. Repeat the process until all holes have been filled. This is one application.

Once the FREEZTEQ has completely dissolved, repeat the process until a total of FOUR applications have been made.

Once the first application has been made, the remaining three applications MUST be inserted within the following 24 hour period.

REMEDIAL WORK

Some "salting" may occur during the drying-out period. If the plaster is sound and is to remain, these salts should be removed from the surface of the wall with a dry brush.

Should the plaster need to be replaced (due to damage caused by the original dampness), re-plastering MUST be carried out using sharp washed sand and cement (3:1 mix) and a waterproof additive used*.

Redecoration may be carried out as soon as the surface of the plaster is dry.

If external sand/cement rendering is to be reinstated, a waterproof additive must be used in the render*. You can face-fill the holes a couple of days after completing the applications; however, it is preferable to leave the holes open for as long as possible to assist in drying out the walls above the damp course.

* Freezteq Sand & Cement Admix contains a plasticiser, waterproofer and salt inhibitor

GUARANTEE

The FREEZTEQ DPC system is guaranteed for a period of 30 years. However, to obtain a guarantee, you must request a guarantee application form from FREEZTEQ Products Ltd.

The application form must be completed and returned to FREEZTEQ Products Ltd **WITHIN 30 DAYS** of final installation of the FREEZTEQ DPC system. No guarantees will be issued after that period.

FREEZTEQ PRODUCTS LTD
88 Northwick Business Centre, Blockley,
Moreton-in-Marsh, Glos, GL56 9RF, UK
Tel/fax: +44 (0) 1386 701050
Email: info@freezteq.co.uk
Web site: www.freezteq.co.uk

ISO 9001 REGISTERED FIRM

GOLD MEDAL FREEZTEQ GENEVA

May 2011

FREEZTEQ®

FROZEN DAMP-COURSE SYSTEM

INSTALLATION INSTRUCTIONS

The FREEZTEQ system can achieve significant cuts in labour and material costs when compared with any other chemical damp-coursing technique. It is effective and highly adaptable. Since it produces a complete water-repellant barrier, long-term guarantees can be offered.

ADVANTAGES OF USING FREEZTEQ

1. Technically diffusion is the most effective method for installation of chemical damp courses.
2. The FREEZTEQ packs can be inserted directly into the mortar joints, which are the major pathways for any rising damp.
3. Capillary action ensures that the released siliconates follow the natural pathways of the rising damp itself, an automatic benefit that ensures the damp course is deposited exactly where it can be most effective.
4. The siliconates in their frozen form are easily handled and quick to apply. Direct material and labour costs are thus substantially reduced.
5. Correct dosage can be assured at all points; diffusion prevents the collection of solution in large, unsuspected cavities.
6. Fluid containers and bulky pressure equipment are not required.
7. There are no spillable liquids to create a health hazard or damage decorations and furnishings, etc.
8. No flammable liquids are involved; the FREEZTEQ process is totally free of fire hazard.
9. All walls can usually be treated from one side only, external walls generally from the outside of the building. Interference with clients and their businesses is therefore minimised.
10. Odourless.

PREPARATION

The only tools required are a hammer drill, a 22mm drill bit (which can be hired), sufficient FREEZTEQ packs, and the means to freeze the packs for 48 hours.

FREEZTEQ is supplied in boxes containing 250, 100 or 50 packs, which is sufficient to treat approximately 7m, 2.8m or 1.4m of 225mm brick or stone walling, respectively.

Place box(es) into a deep freeze and leave for approximately 48 hours until all packs are FROZEN SOLID.

All defective plasterwork internally should be removed to a minimum height of one metre.

External sand/cement rendering should be removed from ground level to a minimum height of 200mm.

Walling of any thickness may be treated with the FREEZTEQ system. Simply ensure the holes are drilled to the appropriate depth (to within 25mm of wall thickness) and follow the instructions below.

DECIDING WHERE TO DRILL

The following procedure must be carried out for the satisfactory installation of this damp-course system.

How to decide at which height to insert the DPC system

A. If the internal floor is of concrete construction, drill into nearest mortar joint above the finished floor level (approx. 75mm).

Drilling may be carried out internally or externally from one side only (see Figs. 1 and 2).

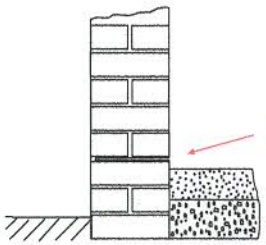


Figure 1: Internal Drilling

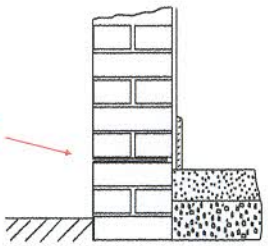


Figure 2: External Drilling

B. If the floor construction is a suspended timber floor, drill internally as low as possible or externally 150mm above ground level (see Figs. 3 and 4).

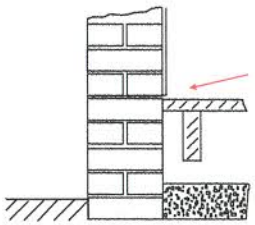


Figure 3: Internal Drilling

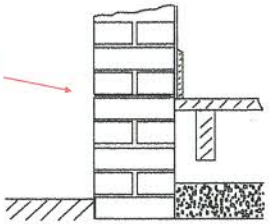
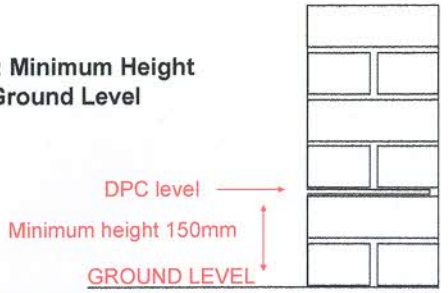


Figure 4: External Drilling

It is important that the external ground level is a minimum of 150mm below the internal finished floor level (see Fig. 5).

Figure 5: Minimum Height from Ground Level



Verticals should be inserted to stop dampness coming along the top of the newly inserted DPC from areas that have not been damp-proofed, as shown in Fig. 6.

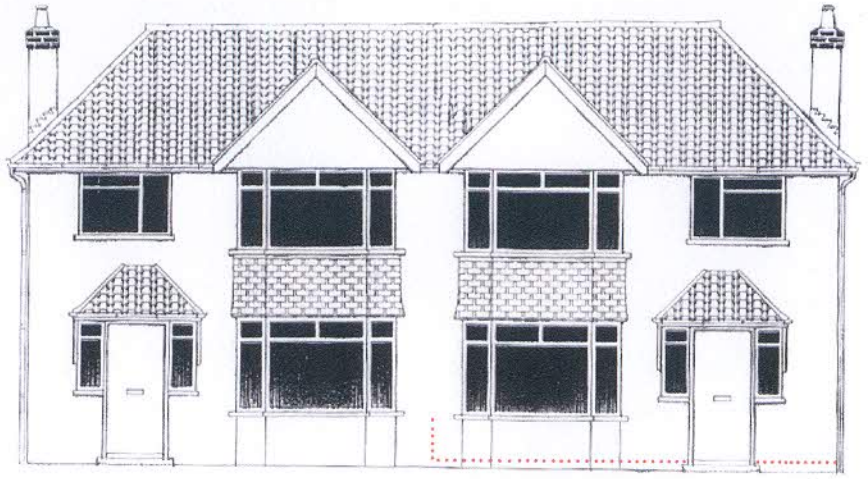


Figure 6: Vertical DPC Between Two Houses

DRILLING

Drilling is carried out using a 22mm diameter masonry bit. Drill at a slightly downward angle through the horizontal mortar joint, as shown, at 110mm centres to within 25mm of the wall thickness (see Figs. 7 and 8).

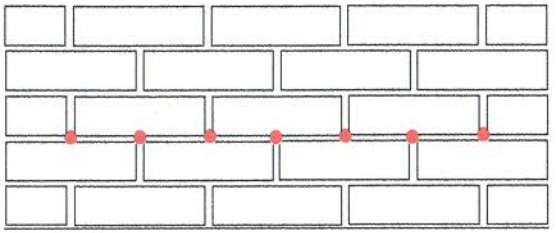


Figure 7: Drilling 110mm Centres

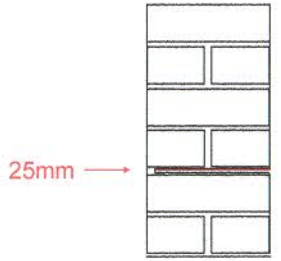


Figure 8: Drilling to Within 25mm of Wall Thickness