

PermaSEAL[®] PRO DPC Injection Cream



Description

PermaSEAL[®] PRO DPC Injection Cream is a silicone based high quality, high strength and deeply penetrating DPC injection cream. Providing extremely long-lasting protection against rising damp in masonry walls.

The cream forms a highly effective damp proof course, with injection holes drilled horizontally along the mortar course. The 80% active ingredient dissipates out from each hole along the mortar bed, creating a horizontal barrier against moisture wicking up from the ground. As a result, moisture and destructive salts are blocked and your internal finishes are protected.

PermaSEAL[®] PRO DPC Injection Cream is suitable for a wide range of wall and mortar types and can be injected into highly saturated walls with up to 95% saturation level.

PermaSEAL[®] PRO DPC Injection Cream is suitable for use in most solid and cavity wall constructions, along with some irregular stone constructions. As long as there is a consistent horizontal mortar course to inject into.

Benefits

- High strength – 80% active silanes
- Proven performance against rising damp
- Effective in highly saturated masonry
- Quick and easy installation
- Deep penetration into the substrate
- Solvent free formulation
- Protects against internal plaster damage
- Much faster and cleaner than conventional high-pressure liquid DPC injection
- Suitable for a wide range of walls and substrates

Installation

PermaSEAL PRO Injection Cream is quick and easy to install, with minimal mess.

Locate a mortar joint at least 150mm above external ground level. In case of solid floors, insert the damp proof course as close to the internal floor level as possible. The internal and external DPC levels must be at the same height.

Once you've selected the mortar joint, drill 12mm diameter holes horizontally in the mortar bed at centres no greater than 120mm. The depth of the hole required should be 20mm less than the wall thickness e.g. if the wall is 110mm thick then drill a 12mm hole to a depth of 90mm.

Vacuum the dust from the holes or use a blow out pump.

Prepare your PermaSEAL PRO DPC cartridge by trimming the top of the tube to allow the cream to flow. Screw on the nozzle. If required, an extension tube should be added. Load the cartridge into a standard mastic-style applicator.

Inject the DPC Cream into each hole, put the nozzle into the back of the hole and inject slowly. Withdraw the nozzle as the cream fills the hole. Stop approximately 10mm from the outside edge of the hole.

As soon as possible, plug the remaining 10mm hole with mortar or insert a DPC Injection Plug. Closing off the surface of the hole will aid the dissipation of the actives along the mortar course.

Curing Time

The cream can take up to 8 weeks to create a horizontal barrier but in general it's up to 4 weeks. Lower temperatures and higher saturation levels will affect this.

Coverage

Wall Thickness	4 ½" 110mm	9" 220mm	13 ½" 330mm	18" 440mm
Borehole Depth	90mm	200mm	310mm	420mm
Borehole Diameter	12mm	12mm	12mm	12mm
Application rate per 10m wall length	1 Litre	2 Litres	3 Litres	4 Litres

Replastering

After the injection of PermaSEAL® PRO DPC Injection Cream, the wall can be replastered with an effective damp and salt resistant render or plaster. PermaSEAL Renovating Plaster or a sand/cement mix incorporating Permaproof Waterproofer render additive are both suitable, before a finishing plaster is applied.

Alternatively, for a faster turnaround, install PermaSEAL 3 Mesh Membrane. The mesh damp proofing membrane can then accept dot and dab plasterboard and a final skim coat, potentially all on the same day.

Technical Information

Appearance	White, cream consistency
Packaging	5L bucket, 1L cartridge, 310ml cartridge
Coverage	Please refer to table
Active ingredient	Approx. 80%
Shelf life	12 months minimum
Storage	Keep out of direct sunlight. Store in a cool, dry place and protect from frost.

Health & Safety

PermaSEAL® PRO DPC Injection Cream is classified as non-hazardous under current EC regulations. For further details please consult the safety data sheet.

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