



# TECHNICAL DATA SHEET



Injection Cream has been given the  
BBA seal of Approval  
NUMBER 06/4331

## **ENVIRO-SAFE** **ONE SHOT Injection Cream (DPC)**

**Highly effective ready-to-use damp-proofing  
cream based on silane/siloxan for masonry  
Injection against rising damp.**

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### **Advantages of ONE SHOT INJECTION CREAM**

- 1. Fast clean injection**
- 2. Eliminates the use of electric pumps**
- 3. No odour and low hazard**
- 4. Precise, measured injection**
- 5. BBA Approved**



### **One Shot Cream Technology**

It is a unique silicone emulsion cream for injection into mortar beds to control rising dampness. **ONE SHOT** injection cream can be used in all types of masonry without the use of high pressure pumps. The cream is delivered by hand pressure either by use of a caulking gun, mastic cartridge or a simple displacement pump with injector lance. Once in the substrate **ONE SHOT** migrates into the masonry pores and rapidly reverts to a liquid phase. Polysiloxanes are formed in situ and the curing of the DPC starts immediately with a final cure within 2-6 weeks depending on the wall thickness.

**ONE SHOT** will perform at least as well as any conventional solvent based injection system against rising damp. The unique cream consistency allows horizontal application techniques without the injection agent running out. This, combined with superior stability in the borehole, ensures the optimal penetration of the active ingredient throughout the substrate. In all cases DPC installation should be carried out in accordance with BS 6576 (1985) see Construction Chemicals DPC manual for further instructions.

### **Effective and Safe Protection against Rising Damp**

Highly effective formulation enables long lasting and deep penetration of the mortar bed, creating a horizontal barrier against rising damp.

### **Universal Use**

**ONE SHOT** Injection Cream allows the effective treatment of alkaline and pH neutral building materials as well as acidic substrates.

### **Environmentally-Friendly**

**ONE SHOT** Injection Cream is ecologically safe and non-hazardous. No solvents to harm the environment, no odours and no bulky containers to dispose of. Classed as non hazardous according to current labeling guidelines (chip 111) however silicone resin formulations may cause mild irritation, appropriate safety precautions apply.

### **Controllable and Consistent Consumption Rate**

The controlled installation technique ensures effective treatment and consistent consumption rates. Plastic lined containers ensure total use of the material.

### **Proven Performance**

Independent research and test reports have proven its effectiveness.

## 4 STEPS TO EFFECTIVE DPC INSTALLATION

1 Pour the contents of the bucket into the pressure sprayer, Pump up the pressure, lock down handle. Some pump Models do not have a gauge, if this is the case just pump up fully then lock down the handle.  
Or use our adapted caulking gun.

2 **Drill** 12mm diameter holes horizontally into the mortar joint at a maximum of 120mm centers and to a depth of 10-20mm from the opposite face and 150mm above ground level. Ensure the base of all perpend are drilled. Stone walls over 350mm thick may be drilled from both sides.

3 Fill boreholes with **ONE SHOT** Injection Cream using a low pressure sprayer, injection cream gun or injection cream cartridge.

4 Cap holes. Salt contaminated plasterwork should be renewed. Please ask for our recommended Rendermix re-rendering specification or Limelite plaster specification.



### Benefit from the Advantages of ONE SHOT injection cream.

When injected into masonry, Injection Cream reverts to a liquid phase resulting in complete absorption of the product, providing superior penetration and effective damp proof coursing. Pure cream technology contrasts sharply with commonly available "pastes" which are simply liquids to which thickeners have been added to reduce flowing capacity. These thickeners greatly reduce penetration resulting in largely unabsorbed residues. **ONE SHOT INJECTION CREAM** is packed in 5lt containers and 400cc cartridges that fit a standard mastic gun.

### Application Rates/Requirements

Wall thickness	4½" (110mm)	9" (220mm)	13½" (330mm)	18" (440mm)
Borehole depth	100mm	200mm	310mm	420mm
Borehole diameter	12mm	12mm	12mm	12mm
Application rate per 10m	0.9l	1.9l	2.9l	3.9l
Per 400ml cartridge	6m	3m	2m	1.5m



The constru plus 7 dual purpose injection cream pump and sprayer holds 5 ltr of injection cream, this saves time in changing cartridges or filling caulking guns ( see details for adapting to cream injection), this pump can also be used for timber treatment spraying, or spraying our range of block pave sealers.

# ENVIRO-SAFE INJECTION CREAM CARTRIDGE

Easy to use pre-filled 400cc cartridges for professional & non professional use.

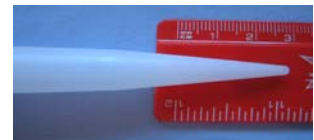
The same high quality material in easy to use cartridges – simple!

**NO PUMPS**  
**NO ELECTRICITY**  
**NO SPECIAL APPLICATORS**  
**ONLY A STANDARD MASTIC GUN REQUIRED**

1. Decide how thick your walls are.
2. Drill injection holes as specified.
3. Cut the cartridge nozzle 25mm from the tip.
4. Push the injection tube through the nozzle from the inside.
5. Place cartridge in the gun and gently compress plunger. Cut the cartridge at the top being careful not to damage the threads.
6. Screw on the nozzle with the injection tube fitted,



ALL YOU NEED FOR EFFECTIVE DPC INTALLATION



To use the injection cream pump and sprayer as an injection cream pump use the flexible pipe as the injection rod, to do this remove the male connector attachment at the end of the rod, this will leave a 9inch pipe suitable for injection. Keep the male end and rubber seals safe.



Our new 1ltr injection cream gun has been designed to make filling easy, remove the nozzle, dip the end into a 5ltr of cream, and pump the top trigger to draw cream into the barrel. Alternately pour the cream direct into the barrel. Refer to pictures 3 and 4 for fitting the nozzle and injection tube.



**You are now ready to install your damp proof course.**

THE 1L CARTRIDGE COMPLETE WITH APPLICATION GUN AND NOZZEL. SIMPLY CUT THE FOIL ON TOP OF THE CARTRIDGE, SCEW ON THE NOZZEL, FIT IN THE GUN. ENOUGH CREAM IN THIS UNIT FOR 5MTR OF 220MM THICK WALL.