

# focus injection cream

Advanced silicone cream for use by injection into masonry walls for the control of rising damp.

Can be used in all types of masonry without the use of high-pressure equipment.

## Installation Benefits

- Fast clean installation
- No high-pressure injection pump required
- Virtually odourless
- Low Hazard
- Accurate dosing
- No need to clean pump in between jobs

## Product Benefits

- Focus is a silicone emulsion cream for injection into brick work etc.
- It can control rising damp.
- It can be used in all types of masonry.
- Only hand pressure required from a displacement pump and injector lance into a series of holes drilled into the mortar course.
- Focus migrates rapidly into the masonry pores where the injection cream reverts to a liquid phase and polysiloxanes are formed in-situ.
- During the curing period a low molecular weight silane vapour is also produced which gives excellent migration through the wall.
- Curing of the DPC starts immediately with the final cure taking 2-6 weeks (depending on wall thickness).
- Research has concluded that Focus will perform as well as any other conventional liquid injection system against rising damp.
- Although 'Focus' is designed to control rising damp it cannot control the presence of severe salt contamination which can leave walls damp even after installation of a DPC.
- For further advice to control and treat such occurrences please contact Restoration UK Ltd.
- In all cases of DPC installation we recommend that the British Standard 'Code of Practice for Installation of Chemical Damp Proof Courses' is followed (BS 6576-1985).

## Preparation

- Check and overhaul rainwater goods to ensure they are in good order and clean, repair or install drains to carry away surface water
- If internal floors are below external ground level, form trenches along the external face of the walls to at least 150mm below the proposed DPC level (where viable the DPC must be placed 150mm above external ground level and the internal walls tanked below DPC level to prevent lateral migration of moisture/salts)
- Remove skirtings, fixings and render/plaster to expose the line of the proposed DPC
- Internal plaster which may be contaminated with hygroscopic salts should be 'cut-back' a minimum of 1 m above the DPC line or 300mm above the highest signs of dampness/salts
- Check flooring timbers for signs of fungal decay and recommend repair/replacement as appropriate
- Ensure wall cavities are cleared of debris

## Drilling and Injection

- Take into account the thickness and type of construction of the wall before deciding on an appropriate drilling pattern
- When injecting properties that consist of several different styles of construction, vary the drilling and injection accordingly
- DPC height should always be at least 150mm above external ground level
- In the case of solid floors, insert the DPC as close to floor level as possible
- Vertical DPCs should be provided to connect horizontal DPCs where ground levels change and to isolate untreated wall areas (garden walls, adjoining properties etc)
- In most cases solid brick walls may be injected from one side only
- For cavity walls each leaf may be dealt with as a separate 115mm thick wall. Alternatively, you can drill through the selected mortar course, across the cavity, then drill the other leaf of brickwork to a depth of 90 - 100mm and inject in one continuous process (the cream will remain in contact with the surrounding mortar even when the mortar bed is drilled through in this way)
- Always ensure that the cavity is clear before treatment.
- In rubble/stone infill walls follow the mortar course at the appropriate level (as far as possible)
- If the stone is of a porous type, it may be possible to vary the drilling location as long as the mortar bed perpend is treated.
- In walls of greater than 350mm thickness it is recommended that drilling is undertaken from both sides at a corresponding height
- If drill holes become blocked they should be re-drilled just prior to injection or a new hole drilled nearby to ensure that an adequate volume of 'Focus' Cream is introduced.

## Restoration UK Limited

Unit 3  
18 Hanford Way  
Loughborough  
Leicestershire  
LE11 1LS



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## Drill Hole Size and Location

Drill 12mm diameter holes horizontally in the mortar bed at centres no greater than 120mm. The depth of hole required for various sizes of wall is shown in the table below.

For walls of intermediate thickness the depth of holes should be pro rata. Where the masonry is irregular, ensure the horizontal drilling pattern targets the base of all perpend of the course selected.

Drill hole depth required for walls of various thickness:  
Wall thickness:

Wall thickness	115mm	230mm	345mm	460mm
Drillhole depth	100mm	210mm	320mm	430mm

## Focus Injection

Fill the applicator gun with the 'Focus' Injection Cream; insert the tube/lance into the full depth of the pre-drilled hole. Squeeze the trigger and back fill each hole with the cream to 1cm of the surface. When treating cavity walls from one side make certain that the holes in each leaf are filled.

Application rate per drillhole	115mm	230mm	345mm	460mm
Application rate per 10m wall length	100mm	210mm	320mm	430mm

NB: These are approximate guidelines, certain properties may require higher quantities, e.g. rubble filled walls may require double. Also, some allowance should be made for wastage.

Drill holes on external walls can be either re-pointed using a matching mortar or plugged with plastic caps. Internal holes can be left open and plaster stopped short of the DPC.

Restoration UK Ltd advise that walls injected with Focus Injection Cream is left to dry for as long as possible and for at least 2 weeks before brushing down to remove excess salts and re-plastering.

## Safety Information

Focus Injection cream does not have a hazardous classification and is therefore a low risk product to handle.

As no volatile organic compounds are used in the production of Focus Injection Cream there are no hazards/smells which are associated with evaporating solvents.

## Spillage

Wipe up any spillages immediately and dispose of the wipes appropriately

Wash any contaminated surfaces immediately with warm soapy water

## Handling

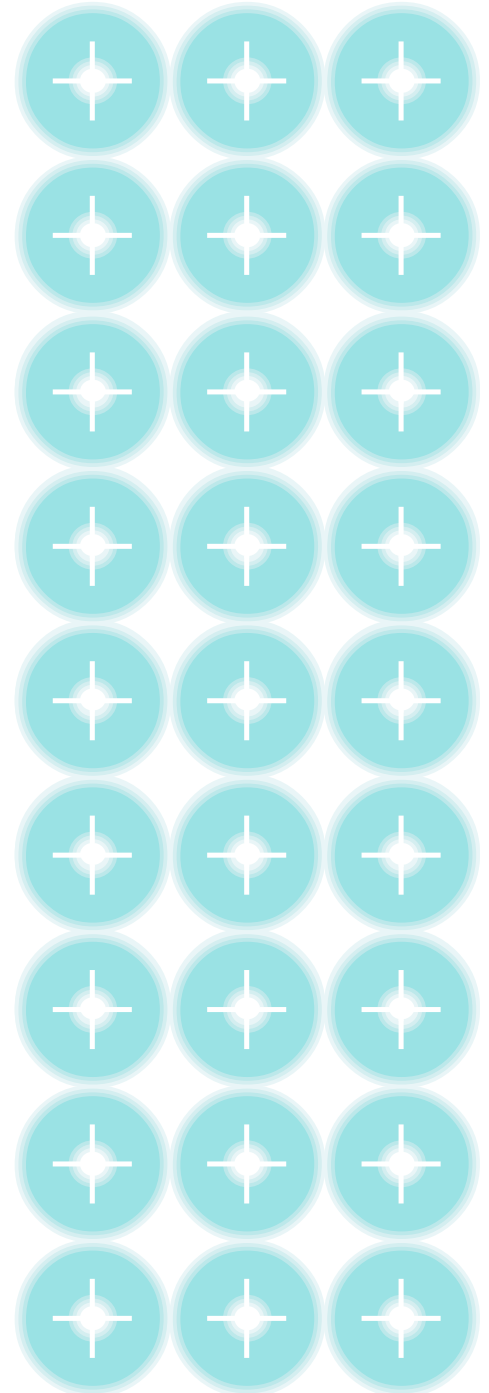
Although Focus Injection Cream is not hazardous, silicone resin formulations may cause mild irritation, therefore wear light weight impermeable gloves when handling.

Wash any splashes to the eyes and skin immediately and always wash hands and exposed skin after use.

Always keep Focus Injection Cream in its original container in a safe place.

## Storage

Store Focus Injection Cream in cool, frost free conditions, use within 12 months.



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