

SIKAMUR® INJECTOCREAM-100



Colour	Product Code	Pack Size	Box Qty
White	SKMURINJCM100	300ml	12
White	FPSKMURINJCM100	600ml	10

Product Description

SIKAMUR® INJECTOCREAM-100 is a new concept for the control of rising damp. SIKAMUR® INJECTOCREAM-100 is a water repellent, silane-based emulsion. A simple application gun is used to inject the cream into a series of holes drilled into a mortar course. Once injected to the mortar course, SIKAMUR® INJECTOCREAM-100 will diffuse within the damp wall to form a water repellent barrier (damp-proof course, DPC) and block future rising damp.

Benefits

- Fast and easy to install, one-component ready to use
- No need for preliminary watertight sealing around the injection holes
- Quick and consistent application – easy to calculate the amount of material required
- Does not require a special, expensive pump
- Spillage and mess virtually eliminated from the site – no problem with fluids flooding through party walls, cavities or service ducts
- Concentrated formula with approx. 80% active ingredients
- Low hazard, water-based product – non-caustic, non-flammable and not injected under pressure
- Very low wastage
- No risk of increased efflorescence (as with silicate-based rising damp treatments)

Areas For Use

Suitable to treat rising damp in almost all types of masonry walls:

- Solid brick walls
- Cavity walls
- Random form stone and rubble infill walls, etc

Limitations

- Injection should be carried out when the ambient temperature will not drop below 0°C for at least 48 hours after application, to allow optimal diffusion of the material
- In all cases the new damp proof course shall be installed in accordance with the relevant code of practice e.g. British Standard for Installation of Chemical Damp Proof Course, BS 6576 (2005)
- SIKAMUR® INJECTOCREAM-100 should not be used for surface impregnation applications

Surface preparation

Where required remove skirting boards and/or render to identify and expose the original masonry and the mortar course to be treated. Measure the thickness of each wall to be treated. Set the depth gauge of the drill or apply tape to the drill bit in order to identify the correct drilling depth.

Application

For treatment to be effective, the correct volume of SIKAMUR® INJECTOCREAM-100 must be used. The system requires 12 mm diameter holes to be drilled horizontally, no greater than 120 mm apart. The depth of the hole required for various wall thicknesses is shown in the table below. For all other wall thickness, the depth of the holes should be within 40 mm of the opposite side.

Wall thickness	110 mm	220 mm	330 mm	440 mm
Hole diameter	12 mm	12 mm	12 mm	12 mm
Depth of hole	100 mm	190 mm	310 mm	420 mm
Hole spacing	120 mm	120 mm	120 mm	120 mm

Drill horizontally directly into the mortar course, preferably at the base ends of the bricks of the course selected.

After drilling, each hole must be thoroughly cleaned using a compressed dry air blower.

Solid brick walls

Solid brick walls can be treated from one side in a single operation. This will depend on the length of the drill bit available. Drill the selected masonry mortar course at the prescribed centres to the appropriate depth (refer to table above).

Cavity walls

Cavity walls may be treated from one side in a single operation, or each side may be treated separately. When undertaking treatment from one side, drill completely through the selected mortar course, allow the drill bit to pass across the cavity and then drill into the other wall of brickwork to be within 40 mm of the opposite (rear) side. The viscosity of SikaMur® InjectoCream-100 is such that it is possible to treat each side wall from a single drilling operation. Always ensure the cavity is clear before treatment

If each side wall is to be treated separately, treat each wall as an individual solid brick wall.

Random stone and rubble infill walls

Follow the mortar course at the appropriate selected level. If the stone is of a porous type (e.g. sandstone) then the drilling can be made directly into the porous stone.

The variable thicknesses of stone walls and the possibility of rubble infill dropping and blocking the injection holes cause difficulties for any injection system. If these problems occur, either drill into 50% of the wall thickness, from both sides at a corresponding height or drill additional holes, adjacent to the obstructed holes, to ensure that an adequate amount of SIKAMUR® INJECTOCREAM-100 can be injected to form a continuous DPC.

Use of application gun

Press lever clasp release and pull pressure piston out to the maximum position.

Unscrew and remove delivery tube end of the SIKAMUR® INJECTOCREAM-100 gun.

Insert SIKAMUR® INJECTOCREAM-100 sausage or cartridge into the barrel of the gun.

Cut or puncture the visible end of the sausage or cartridge.

Replace the delivery tube end of the gun.

Insert the delivery tube of SIKAMUR® INJECTOCREAM-100 application gun into the full depth of the pre-drilled hole.

Squeeze the gun trigger and back fill each hole fully with SIKAMUR® INJECTOCREAM-100 to within 1 cm of the surface. When treating cavity walls from one side only, fill the holes completely in each side wall.

All drilled holes should be plugged or filled and pointed over using appropriate Sika mortars. In common with all remedial damp proof course systems the adequate removal and correct re-plastering of internal salt-contaminated plaster is an essential requirement. Use SIKAMUR® DRY mortar for this re-plastering work.

Consumption/dosage

See below table for number of 300 ml cartridges required for application (divide by 2 if using 600 ml foil pack)

Length of wall	Wall thickness			
	110 mm	220 mm	330 mm	440 mm
10 m	3	6	10.2	14
20 m	6	12	20.4	26
30 m	9.2	18	30.6	42
40 m	12.2	24	40.8	56

Note: Individual site conditions can cause variations. Always allow at least 10% extra when estimating the quantity of material required.

Cleaning

Some white stains may occur around the injection site. Simply brush off once dry.

Specific Data

Tested as a product for the treatment of rising damp in masonry by the Belgium Building Research Institute (report reference BE 407-695-057 dated 6th July 2009)

TEST	RESULT
Density	~0.9 kg/l at 20°C

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store upright in original tightly sealed container in dry conditions, at temperatures 5°C to 35°C. Protect from sunlight and moisture.

Shelf Life

12 months from date of manufacture in original, unopened containers.

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