



MAXCLEAR®

INJECTION CREAM

SILANE/SILOXANE INJECTION CREAM AGAINST RISING DAMP



DESCRIPTION

MAXCLEAR® INJECTION CREAM is a silane/siloxane cream with water-repellent properties for injection in walls subject to rising damp and capillarity problems.

Its thixotropic consistency provides a horizontal barrier against rising dampness, with optimum surface impregnation and consumption control where a wide network of holes and hollows is present.

APPLICATION FIELDS

- Damp-proof courses injected in façades, walls and masonry (exterior or interior) affected by rising dampness.
- Manual treatment of rising damp and capillarity problems by pressure-free injection of all kind of masonry and mortar joints in garages, basements, historical buildings, heritage areas, etc.

ADVANTAGES

- Suitable for walls subject to high levels of humidity (100 %).
- High silane/siloxane content formula (80 % active chemicals), and low molecular weight with high level of penetration into substrate.
- Manual applied, no pressure pump needed, reduces application costs compared to other high pressure systems.
- Allows the substrate to breathe, it does not seal the pores. Once treated, substrate can be painted.
- High performance in a wide range of mineral substrates: concrete, cement mortar, lime mortar, etc. Not affected by substrate alkalinity.
- It does not produce or release any salts. No aesthetic changes on the original surface.
- Very good impregnation and distribution in brick masonry or mortar substrates and voids due to its creamy consistency.
- Ready to use. No maintenance required.

- Environmentally friendly. It is solvent-free, non-corrosive and non-toxic, improves the working area conditions for operators and occupants.
- Easy to clean.

APPLICATION INSTRUCTION

Substrate preparation

Remove previous render or coatings at least 90 cm. above the highest point of the rising damp level. Remove all efflorescence, damaged masonry, loose particles and unsound mortar joint until a good substrate and patch with **MAXREST®** (Technical Bulletin No. 2). Large cavities and hollow brick masonry must be sealed also with **MAXREST®**.

Hole drilling

Drill a horizontal line of 12 mm holes placing intervals of 10-12 cm, depending on the substrate absorption, and observing a distance from the ground of about 150 mm. Holes are drilled from the joint in horizontal direction, as this area is wherein take place the best dispersion of **MAXCLEAR® INJECTION CREAM** once injected. The hole length must be approx. 2 - 5 cm shorter than wall thickness. Remove dust and traces inside the holes with air pressure before the injection.

Injection

MAXCLEAR® INJECTION CREAM is supplied ready to use by extrusion of 600 ml bag or repackaging to a caulking gun from a 5 litres can. When applying, nozzle must be inserted deep as possible into the hole and then, filling it up to saturation. Finally, patch the hole with **MAXREST®**.

Application conditions

Do not apply with substrate/ambient temperatures below 5 °C or if lower temperatures are expected within 24 hours after application. Also, do not apply in flooded holes.

Curing and mortar application

Wall area may subsequently be levelled with a high water vapour permeability mortar **THERMOSAN®** (Technical Bulletin No. 84) and its decorative finish **THERMOSAN® -F** (Technical Bulletin No. 85) after 7 days from injection. Applications at lower temperatures and/or higher R.H. values will increase the curing time.

Cleaning

All tools must be cleaned with water after use. Once cured, material can only be removed by mechanical methods.

CONSUMPTION

Estimated consumption of **MAXCLEAR® INJECTION CREAM** for a diameter hole of 12 mm is about 113 ml per lineal meter. A 600 ml bag fills about 5,3 lineal meter of a 12 mm diameter hole.

Estimated consumption with 12 mm diameter hole per wall thickness can be deduced from the following table:

Wall thickness (mm)	110	220	330	440
Consumption (ml)	90	180	260	360

These figures may vary depending on porosity, saturation level, and substrate conditions. A preliminary test on-site will determine consumption exactly.

IMPORTANT PRECAUTIONS

- Do not add solvent or chemicals.
- For wall thickness bigger than 50 cm use preferably **MAXCLEAR INJECTION** (Technical Bulletin No. 85).
- Observe the recommended diameter, lengths and distance between holes.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

PACKAGING

MAXCLEAR® INJECTION CREAM is supplied in 600 ml bag and in 5 litres can.

STORAGE

Twelve months in its original unopened packaging, in a dry and covered place protected from humidity, frost and direct sunlight, at temperatures above 5 °C.

SAFETY AND HEALTH

MAXCLEAR® INJECTION CREAM is not a toxic product but protective rubber gloves and goggles must be used during application. In case of eye contact, rinse thoroughly with clean water, but do not rub. In case of skin contact, wash affected areas with soap and water. If irritation continues, seek medical attention.

Safety Data Sheet of **MAXCLEAR® INJECTION CREAM** is available by request.

Disposal of the product and its empty packaging must be made by the final user and according to official regulations

TECHNICAL DATA

Product characteristics	
General appearance and colour	White fluid cream
Density (kg/l)	0,9 ± 0,05
Active chemicals, (%)	80 ± 2
pH	7 ± 1
Flash point	No flammable
Corrosivity	None

GUARANTEE

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DRIZORO, S.A.U.

C/ Primavera 50-52 Parque Industrial Las Monjas
28850 TORREJON DE ARDOZ – MADRID (SPAIN)
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13
e-mail: info@drizoro.com Web site: drizoro.com

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