

RC 310 ECO

SOLVENT-BASED INJECTION HYDROFUGE AGAINST RISING DAMP

Rising damp



ADVANTAGES OF RC 310 ECO

- ✓ For both thin and very thick walls
- ✓ Class A according to the BBRI (highly efficient)
- ✓ Strong migration through the material
- ✓ Forms a definitive impenetrable zone
- ✓ Unlimited service life

Description

RC 310 ECO is a solvent-based injection hydrofuge for injecting walls against rising damp, for both thin and very thick walls. RC 310 ECO is a solution of oligomeric siloxanes and organometallic in aliphatic solvents.

Properties

RC 310 ECO polymerizes in the pores of the wall and creates a permanent waterproof impermeable zone that stops capillary absorption and rising moisture in a very effective and permanent way, even at a high concentration of rising moisture in the masonry. The moisture barrier is achieved after 48 to 72 hours. The total drying out depends on the nature and thickness of the wall, and also its original moisture content and can take 6 to 12 months. In practice, the lifespan of the system is unlimited. The result is effective and final.

Substrate

Remove plaster and baseboards. Strip the salt-contaminated coatings. If a waterproofing membrane (bituminous, synthetic material ...) is present, remove the coating or the mortar under this membrane and inject RC 310 ECO under the membrane. The injection height should be chosen according to the internal and external level, but the injection should be taken as close to the floor as possible, on the baseboard if possible. Never inject below ground level.

Application instructions

RC 310 ECO is ready to use. The injection takes place according to the method established by the BBRI (TV 252 from 2014).

- The injections happen in one or two horizontal line(s), as close as possible to the floor line (± 10 cm), but above the floor level (or earth outside);
- Diameter of the drill holes: 14 mm or according to injection needle diameters;
- Distance between drill holes: ± 12 cm to 15 cm;
- Depth of drill holes: The wall thickness - 3 cm;
- Injection pressure: 1,5 to 3 bar;
- Drill down at an oblique angle ($\pm 30^\circ$);
- Injection can be done on the inside or outside of the wall;
- Thick walls are injected on both sides;
- Clogging of the drill holes can happen immediately or after several months (waterproof mortar).

Consumption

On average 1,5 liter/10 cm wall thickness/running meter.

Technical characteristics

Active substances:	(alkylalkoxy)siloxane (oligomer), organometals
Active matter:	12%
Aspect:	Colorless liquid
Alkali resistance:	Very good
Flash point:	> 62°C
Density (20°C):	0,80 ± 0,05 g/cm ³ (20°C)
Viscosity:	1 - 85 mPa.s
Typical odor:	White spirit

Safety

For more information, consult the most recent safety data sheet.

Remarks

Before the injection, it is recommended to check the wall to be injected for the presence of harmful salts such as nitrates, sulphates, chlorides... so that an adequate salt treatment can be carried out after the injection against rising damp. Injection against rising damp repels the means of transport from the salts, but will not prevent the present salts from causing damage. Sulfate and carbonate efflorescence, when abundant, can knock off finish layers. Hygroscopic salts such as chlorides and especially nitrates have the property of extracting moisture from the air and, even with adequate action against rising damp, to keep the masonry moist on the surface. For walls heavily loaded with salts, the use of the salt converters RC SULFASTOP ZB or RC NITRABLOCK is more than recommended.

If in the rooms treated with RC 310 ECO there is open fire or heating elements with electrical resistances, the product, like all products based on aliphatic solvents, can give rise to odor nuisance due to the fact of "cracking" of the solvent during the period when the product starts to evaporate from the walls. In this case we recommend the products RC 300 W or RC DRYGEL 80.

Remove any incidental stains immediately with white spirit.

Cleaning of equipment

Clean thoroughly with white spirit after use.

Storage / Shelf life

- The product must be protected against frost and temperatures of <30 °.
 - 1 year after manufacturing in original, closed packaging.
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Packaging

25 liters (item no. 20802) or 200 liters (item no. 20812).

Photos



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Legal Notes

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