



**Water-repellent
aqueous injection**

Hydrothan 10éco

Description: **Hydrothan10éco** is a micro-emulsion of silane-siloxane resins formulated in aqueous phase (without ecotoxic agents).
The product is intended for the permanent prevention of rising damp in walls.

Technical approvals: According to the opinion of the C.S.T.C., the family of siloxanic oligomers is the best type of product utilised in the struggle against rising damp.

Hydrothan10éco -- a rising damp treatment product – has been awarded Certificate of Approval no. 94/2998 issued by the BBA (British Board of Agreement)

Hydrothan 10éco has been awarded the Excell Green Label, test report 2009-01-094.

Advantages: **Hydrothan10éco** injection permanently prevents the capillary ascent of moisture in walls.

Hydrothan10éco was specially formulated to offer the following advantages:

- Respect for the environment: the product is water-diluted, without ecotoxic agents.
- Quick drying on all neutral or alkaline supports.
- The water-repellent effect of the injection barrier appears within 48 hours of application.
- Excellent powers of penetration in all customary materials, regardless of the humidity rate.
- Total resistance to the penetration of water by capillarity.
- **Durability:** One treatment – properly performed – retains its effectiveness throughout the lifetime of the wall.
- Remarkable resistance to ageing due to the stable structure of the siloxanic bonds formed by the resin with reactive in and on the support.

This product also possesses the following characteristics:

- Non-toxic.
- Non-inflammable.
- Odourless and non-toxic, the product is ideal for the treatment of occupied dwellings

Characteristic: Active ingredient.....silane-siloxane micro-emulsion
Appearance.....amber liquid
Concentrate content 10 %
Density at 20°C.....0.98 kg/litre
Dilutant.....water

Application: **Preparation of the product:**
Pour the contents of the small tin into the large tin. Mix well.
Use immediately (after dilution, the mixture can be kept for 24h).

Preparation of the wall:
Ideally, the plaster on the bottom of the wall should be stripped:
All loose plaster should be eliminated in any case. Hardened, well-adherent filler cements may be retained.
Clean and homogenous:
- Eliminate all loose material.
- Fill all cracks and holes. Bricks which feel “loose to the touch” should be repointed before proceeding.

Application:
Using a pump and an injector equipped with a manometer and perhaps a watt meter, the project should be injected under pressure (2 – 8 bars) into holes drilled every 10 cm, at the bottom of the walls.

NOTE:
Whatever the mode of application, the product must be applied **to saturation point**, i.e., a horizontal stretch of wall should be continually impregnated with the water-proofing product.

Anti-saltpetre When the wall is dry -- but before applying the new plaster – an anti-saltpetre cement (**Hydro+ mortar**) or an **HY-N3** membrane to avoid the migration of the residual saltpetre into the new decoration.

Consumption: The quantity to be applied may vary according to the type of wall. You must calculate 1.5 - 2 litres of product per running metre for a thickness of 10 cm. A brick wall 35 cm thick will require +/- 6 litres of product per metre. The water-repellent performance of the injection barrier will only be optimal if you inject a sufficient quantity of the product.

Packaging and storage: **Hydrothan10éco** is available in 10 and 25L polyethylene drums. Hydrothan10éco can be kept 12 months in its original packaging, undiluted, at a temperature between 5 and 30 °C. Once diluted, the product only remains stable for 24 hours.