

HYDROPROOF PRIMER

Aqueous emulsion of organofunctional silane

CHARACTERISTIC

Aspect:	White liquid
Density:	approx 0.95 g/cm ³
pH:	6,5 ± 1
Solids Content:	Approx 50 %
Stability and storage:	12 months when stored in originally sealed containers. Storage temperature are between 5 and 40°C

PROPERTIES

HYDROPROOF PRIMER is an aqueous emulsion based on organofunctional silanes developed as primer for paint and coating application

HYDROPROOF PRIMER reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

HYDROPROOF PRIMER have the following properties:

- Hydrophobic Impregnation
- Impregnation of New and Existing Buildings
- Primers for Paints & Coatings
- Silicone-Based Primers for Coatings
- Good depth of penetration
- resistance to alkalis
- rapid development of water repellency
- provides good adhesion for paints
- water-based and environmentally compatible
- stable in storage, even when diluted

APPLICATION AND DOSAGE

HYDROPROOF PRIMER serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters as well as for concrete coatings.

Dilute **HYDROPROOF PRIMER** is also an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone and mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone and marble.

Owing to its aqueous consistency and storage stability when diluted, **HYDROPROOF PRIMER** is ideal for in-plant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

Processing

Tap water is suitable for preparing solutions of **HYDROPROOF PRIMER** for use as facade water repellent primer. We recommend an active substance content of 5-10% (dilute the product in the ratio 1:4 to 1:9), the exact figure depending on how absorbent the substrate is.

Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. If it starts to rain, stop treatment and cover the impregnated areas.



APPLICATION AND DOSAGE (CONTINUES)

The substrates to be treated should be dry and clean. Acceptable surface cleaning methods include sandblasting and water blasting. During application outside temperatures and surfaces temperatures should be between +5 °C and +40 °C. **HYDROPROOF PRIMER** should not be applied during strong wind or rain.

HYDROPROOF PRIMER should be applied by wet-on-wet flow coating to the saturation point by devices e.g. airless pumping equipment are suitable. The material should not be atomized or applied with a brush.

A substrate which has already been made water-repellent no longer allows a penetration of any reapplied aqueous silane/siloxane emulsion.

Non-absorbent substrates such as window frames, window sills, plastic fittings, window glass, etc., should be covered before application. Surfaces which accidentally come into contact with **HYDROPROOF PRIMER** can be cleaned with alcohol (spirit) or aqueous soap solution. Cleaning should be carried out as quickly as possible (within a few hours), otherwise formation of a silicone resin film can make cleaning more difficult. Silicone resin films are best removed using ethanol (or

spirit). Plant life should be protected from overspray.

HYDROPROOF PRIMER reacts with the interfaces in pores and capillaries of the mineral surface and forms invisible, waterrepellent interfacial compounds.

It is recommended to do preliminary test before first application.