

HYDROPROOF H 245 B

Organofunctional silane water emulsion for terracotta

CHARACTERISTICS

Appearance:	White liquid
Density:	about 0.95 g/cm ³
pH:	7.5 ±1
Active content:	45%
Stability and storage:	12 months if stored in original packaging. The storage temperature is between 5 and 40°C

PROPERTY

HYDROPROOF H 245 B is an aqueous emulsion based on organofunctional silanes, free from volatile organic components, specifically formulated to give water-repellent properties to terracotta supports.

HYDROPROOF H 245 B has the following properties:

- It is suitable for the water-repellent impregnation of terracotta materials
- shows very high reactivity and resistance to alkalis and acids
- VOC free
- does not create sticky silicone film formation
- offers invisible and water vapor permeable protection
- significantly reduces water absorption
- reduces the absorption of water-soluble pollutants (e.g. chlorides)
- protects cracks up to 0.3 mm
- UV stability

APPLICATION AND DOSAGE

HYDROPROOF H 245 B is supplied only in concentrated form, it is therefore essential to dilute it in water to obtain a ready-to-use solution. It is recommended to dilute the product with demineralized water, however it is possible to use tap water. For most applications, a recommended dilution of the **HYDROPROOF H 245 B** around 1-2% by weight in water. The obtained solution, with the addition of an antibacterial, is stable for 12 months at a temperature of 20°C.

The quantity of **HYDROPROOF H 245 B** to be applied and the concentration to be used depend strongly on the absorption of the substrate and the desired penetration depth.

The surfaces to be treated must be dry and clean. Due to the water content, the emulsion is sensitive to frost and therefore cannot be applied at temperatures below 0°C. It is recommended to use the product at room temperatures between 5 and 30°C.

The water-repellent effect of **HYDROPROOF H 245 B** can develop within a few minutes or take up to several days depending on the substrate and weather conditions.

An already water-repellent substrate no longer allows the penetration of any reapplied silane/siloxane water emulsions.

It is always recommended to perform a preliminary test before the first application.