



Surface water-proofing

Hydrothan 205

Description: **Hydrothan205** is a mixture of alkylpolysiloxane oligomer resins intended for the protection of façades against humidity. The product is characterised by a powerful, long-lasting water-beading effect. **Hydrothan205** repels moisture while allowing the wall to breathe.

Technical approvals: 30 years of experience have shown that silicone water-proofing products are a satisfactory solution to humidity problems when the natural appearance of the construction materials must be retained for aesthetic reasons.

Hydrothan205 test records have been issued by the following official bodies:

In Belgium:

- CSTC (Centre Scientifique et Technique de la Construction): PV HD-340/133-50. Approved in class A on the commonest supports (stone, brick).
- VERITAS: PV DSC/DCG/DLC/I 7 87 283.

In France:

- CEBTP (Centre Expérimental de Recherches et d'Etudes du Bâtiment et des Travaux Publics): PV 2122.6.050.

Advantages: **Hydrothan205** impregnation provides long-term protection against the penetration of rain and run-off water into walls and façades, while allowing the surfaces to breathe.

Hydrothan205 was specially formulated to offer the following advantages:

- QUICK DRYING on all neutral or alkaline supports.
- WATER BEADING EFFECT appears within hours of application.
- Strong powers of penetration in all the usual materials.
- Strong resistance to water penetration by capillarity.
- Negligible change in natural porosity of the support.
- Remarkable resistance to ageing agents (freezing-thawing, U.V., etc.), due to the stable structure of the siloxanic bonds formed with the reactive sites of the support.
- Satisfactory overcoating ability with most paints: vinylic, acrylic, aqueous dispersion, silicone paints, and Pliolites (after prior testing)

This product also benefits from the following characteristics:

- Non-toxic.
- High flash point (not classed as inflammable).
- Excellent stability in storage.

Properties:

- Effective and invisible protection (10-year guarantee) against driving rain
- Protection against damage caused by freezing
- Self-cleaning treatment effect, without scumming, moss or soiling
- Retains permeability to water vapour
- Enhanced insulation of the water-proofed wall

Characteristics: Appearance.....colourless liquid
 Concentrate content.....7 %
 Density at 20°C.....+ / - 0,8 kg/litre
 Dilutant.....aliphatic (dearomatised)
 Flash point.....62°C

Application: The product is ready to use.
Preparation of the supports:
 All supports must be:
Drying times:
 At least 24 hours after a rain. After cleaning with pressurised water, 2-3 days.
Cleaning:
 - Eliminate loose material by brushing.
 - Fill cracks and holes.
 - Eliminate all soiling.
 - Apply anti-moss product if required.
 - Do not clean with acid or alkaline chemical detergents or cationic surfactants.
Application:
 - On very rough materials, apply by flat brush or roller, for smaller surface areas.
 - The product may also be applied by sprinkling or spraying, after removing the nozzle from the spray gun.

COMMENTS:
 - Regardless of the method of application, the product should be applied to **saturation point**: begin by spraying at the top of the wall, allowing the water-proofing product to run down 30 to 40 cm.
 - One single coat is enough; however, for excessively porous supports, the application of a second coat may be advisable when the shiny appearance of the first coat disappears.

Consumption: The quantity to be applied may vary depending on the type of support:
 - asbestos-cement: 0.3 - 0.5 L/m²
 - mortars and concrete: 0.3 - 0.5 L/m²
 - mineral dry-dash: 0.6 – 0.8 L/m²
 - brick: 0.6 – 1.5 L/m²
 - stone: 0.5 - 1 L/m²

The water-proofing performance of the materials treated will only be optimal if applied in sufficient quantities.

Packaging and storage: **Hydrothan 205** is delivered in 10 et 25 L polyethylene drums.
 Stored unopened in the original packaging at a temperature between -20 et +30°C, the product can be kept for at least 18 months.