



**Surface Water-Proofing
without solvent**

Hydrothan 105

Description: **Hydrothan105** is an emulsion specially developed for the primary water-proofing of porous construction materials such as concrete, brick, stone, etc.. The product polymerises on alkaline substrates (ex: fresh concrete) as well as on neutral substrates (brick).

Hydrothan105 repels water while allowing the wall to breathe.

Hydrothan105 respects the environment since it is formulated entirely in aqueous phase: entirely without hydrocarbons, it contains no ecotoxic surfactants, and is both odourless and non-toxic.

**Technical
approvals:**

Hydrothan 105 is approved by the **CSTC in classe A** on the commonest supports (stone and brick) - Report CSTC 2006: HD-340/133-151

Advantages:

Hydrothan105 impregnation provides long-term protection against the penetration of rain water and run-off into walls and facades, while allowing them to breathe.

Hydrothan105 was specially formulated to obtain 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.), thanks to the stable structure of the siloxanic bonds formed with the reactive sites on the support;
- Overcoating ability with most paints in vinylic, acrylic, aqueous dispersion, silicone paints, or Pliolite resins (after prior testing).

This product also benefits from the following characteristics:

- Non-toxic.
- Non-inflammable
- Stability in storage: 1 year (protect from freezing)

Properties:

- Effective and invisible protection (10-year guarantee) against driving rain
- Protection against damage caused by freezing
- Self-cleaning treatment effect: no scum, no moss and no soiling
- Retains permeability to water vapour
- Enhanced insulation of the water-proofed wall

Characteristic: Active ingredient polyorganosiloxane oligomer resins
Active materials.....7%
Appearance.....whitish liquid, colourless when dry
Odour.....very slight odour, odourless when completely dry
Impregnation: very good powers of impregnation by spraying or sprinkling

Application: The product is ready to use.
Preparation of the supports:
All supports must be:
Dry:
After a rain, wait at least 24 hours, or, if cleaning with pressurised water, wait 2-3 days.

Clean:
- Eliminate all loose material by brushing.
- Fill all cracks and holes.
- Clean away all soiling.
- An anti-moss product should be applied if necessary.
- Do not clean with acid or alkaline chemical detergents or cationic surfactants.

Application:
- By spreading with a flat brush on very rough materials or by roller on smaller surfaces.
- By sprinkling or spraying with a sprayer after removing the nozzle.

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

For optimal results, the water-proofing product should be applied in sufficient quantities.

In certain cases, prior testing may be performed to determine the rate of consumption.

Packaging and storage: **Hydrothan105** is available in 10 et 25 L polyethylene drums.
Stored unopened in the original packaging, at temperatures between +5 and +30°C, the product can be kept for at least 12 months.