

# PROTESIL

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## DESCRIPTION

Single-component waterproofing protective solvent based on siloxane resins with low molecular weight. It reduces water absorption in the surfaces to be treated. It does not form a film and thus creates a hydrophobic barrier on the support without interfering in the osmotic water processes of transpiration. The product once dried, gives the treated surface its natural appearance.

## USES

It is used as a protective water repellent for flooring and bare surfaces such as concrete, decorative cement, terracotta stone, marble, granite, tuff and other building materials. It can be applied on lime or silicate based paints, even if such use determines a decrease in its effectiveness since a painted wall has a lower absorption capacity compared to an untreated plaster wall.

Impregnation with PROTESIL is not suitable for waterproof horizontal surfaces subject to water under pressure or stagnant water (terraces, basements, etc.).

It should not be applied to bricks that have been previously treated with water repellent or materials subject to capillary rising damp with capillary transport of salts or dampness in general.

The product does not have consolidating properties and should not be applied on plaster, organic paints and coatings and resinous plasters.

**Carry out a preliminary test to check that colour changes do not occur on the treated surfaces when PROTESIL is used on natural stone, coloured plaster or other surfaces with uneven absorption.**

## PREPARING THE SURFACE

Make sure the surface is clean and dry, free from mould, dust, grease, oil, paint, efflorescence, and anything that can prevent deep penetration. The cleaning can be performed with hot water (an advantage in the case of oily and greasy surfaces) or cold water. In the absence of dirt, it is sufficient to remove any dust from the surface with a sorghum brush or compressed air. Make sure the surface is completely dry since the presence of water prevents penetration of the water repellent.

On surfaces previously coated with lime paints: Wait at least 15 days after their application and in any case, it is always necessary to perform preliminary tests for compatibility and possible discoloration. If necessary, carefully brush the surface.

On surfaces previously coated with quartz or washable paint: remove the old film.

On new cement-based surfaces: no preparation is required. Wait for the curing process to complete. Remove any irregularities by water jet cleaning and wait until fully dry.

For new stonework: no preparation is required.

## APPLICATIONS

Apply at least two coats of PROTESIL by brush or short-haired roller. For optimal protection, apply sufficient product to wet the surface thoroughly. Apply several coats until saturation is achieved but

avoid the formation of runs. The effectiveness and duration of the water repellent effect depends on the penetration depth. Stir well before and during use. Apply with ambient temperature between +5 and +30 °C. Do not apply in direct sunlight, or extreme hot or cold conditions, in the presence of strong winds, if it is about to rain or in the presence of high relative humidity. Protect treated surfaces from rain during the first 4-5 hours after application. Ventilate indoor areas during application.

After the product has been applied, it is no longer possible to smooth and paint the treated surface with water-based products.

The application of product in excess or on damp surfaces may give rise to chromatic alterations and whitening effects.

#### DILUTION

Ready-to-use.

#### TECHNICAL DATA

<b>PRODUCT</b>	Protective siloxane solvent
<b>SPECIFIC WEIGHT</b>	0.800 ± 0.020 kg/L.
<b>GLOSS</b>	Matt
<b>COLOUR</b>	Clear
<b>RECOMMENDED THICKNESS</b>	10-20 microns per dry coat
<b>NUMBER OF COATS RECOMMENDED</b>	At least 2 coats
<b>RE-COATING</b>	1-2 hours
<b>APPLICATION METHOD</b>	Brush, roller
<b>THEORETICAL YIELD</b>	8-12 sq.m/L for 2 layers
<b>DRYING TIME (at 23 °C)</b>	
<b>Touch dry</b>	1-2 hours
<b>Deep dry</b>	18-24 hours

#### CLEANING TOOLS

With DILUENTE S (THINNER S) immediately after use.

#### STORAGE

Store in a cool and ventilated place, away from heat and protect from freezing temperatures.

The above technical knowledge regarding the application and the proper use of the products does not mean ALCAS ITALIA s.r.l. assumption of responsibility for the use and application of the products. Because of the unpredictable variability of operating conditions, the APPLICATOR must verify the use of the product under their own conditions with direct evidence. We reserve the right to change the contents of this document without prior notice. As soon as a new version of this data sheet is available, it will no longer be valid.