

LITHOS

In-depth water-repellent product with solvent base for marble, granite, natural stones, terracotta, agglomerates, and concrete



APPLICATIONS

LITHOS is an in-depth water-repellent with low viscosity based on silanic oligomers mixed with hydro carbonic solvents; this product deeply penetrates stone materials and all absorbent building materials, such as Marble, Granite, Terracotta, Natural stones, Travertine, Agglomerates, Concrete. **LITHOS** is an in-depth water-repellent for internal and external use which reduces rising damp thus inhibiting formation of saline surface efflorescence. It also reduces water absorption preventing the appearance of wall-pepper, mould, and algae. Marks from pollution are repelled making successive cleaning easier. Permeability to vapour is not modified meanwhile **LITHOS** permits good transpiration of treated materials, leaving them protected against atmospheric agents, sunlight, and acid rain. The product does not yellow over time and lasts for more than ten years.

HOW TO USE

Dilution: the product should not be diluted.

Application: Before applying **LITHOS**, the surface should be cleaned using the products **DETERGON R3**, **CLEAN SPECIAL** or **SANNY KAL**. Once the surface is perfectly clean and dry, **LITHOS** can be applied using a flat brush or a roller; one or two coats should be applied uniformly, leaving 3-4 hours between each one. If solvent-based products, such as: **REP-OIL NEW**, **CTF-40**, **KEOS/928** or **KERASTONE** or the water-based product **IDROBASE 303** must be applied for the finishing oil repellent treatment, it is advisable to wait the following day and apply one or two coats of these products leaving 4-6 hours between each coat, according to the absorption capacity of the

is recommended by dispensing the two hours away for a few hours on each other on dry surfaces and externally providing that it does not rain for at least 2 days its application.

The water-repellent product **LITHOS** should never be applied on surfaces directly exposed to sunlight or during the hottest hours of the day. Use a test sample to check for any colour changes to the materials to be treated. **LITHOS** is suitable to be used on the back of the marble with any compatible cement-based adhesive having the following classifications: **C2ES1; C2TES1; C2ES2; C2TES2**. Federchemicals strongly recommends that the stone supplier /contractor to check this compatibility with the adhesive manufacturer. Hence, this compatibility between the adhesive and our impregnator / sealer, lies **SOLELY** on the adhesive manufacturer's confirmation.

PRECAUTIONS

Never apply **LITHOS** in the sun. Always make a small sample test on a surface to check for any color changes in the material.

COVERAGE

Highly porous natural stone: Approx. 10 to 12 litres every 100 sq. m. per coat

Natural stone with average porosity: Approx. 5 to 10 litres every 100 sq. m per coat

Cement: Approx. 12 to 15 litres every 100 sq. m per coat, according to the absorption capacity of the surface.

WARNINGS

The MSDS is available upon request.

PACKAGING

Bottle of 1 lt. Box of 12/24 pcs

Drum of 5 lt. Box of 6 pcs

Drum of 10 lt/25 lt

HANDLING AND STORAGE

The product must be stored in the original containers, perfectly sealed, at a temperature between 0 and 25°C and shielded from direct sunlight. In these conditions, the product has a self-life of 24 months of the date quoted in the delivery note. If the material has been stored for longer than its recommended self-life, it might still be suitable, but this must be determined beforehand by performing quality checks on its application-related properties.

LIMITS OF RESPONSIBILITY

We decline all responsibility for work and damage which might result from improper or incorrect use of the product. The indications supplied with our product specifications and instructions for use are the results of accurate laboratory tests and experience in the field. However, as it is not possible to forward other evidence, when the products are used, these indications shall not be binding and do not imply liability on our part. As well as following good working practices, before applying the product we recommend you read the safety recommendations and the directions on the package.

For the best professional results, it is advised to test a small area first, for compatibility with the surface to treat and the desired effect. This preliminary testing is also useful to determine the consumption according to the characteristics of the material the product will be used for and to the type of processing.

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