

The green power for your surfaces



PRODUCT DESCRIPTION

LisoTop PS™ is a high performance non-coating formula designed to give superior oil and water repellence with anti-graffiti properties to all interior and exterior porous stone.

LisoTop PS™ is non-toxic, odorless, water-based, non-flammable and easy to use. LisoTop PS™ small molecular structure penetrates deep into the surface without changing its appearance.

LisoTop PS™ provides excellent water & oil repellence and is stain resistant against olive and seeds oil, coffee, ketchup, mustard etc. The treated surfaces are easily cleanable.

LisoTop PS™ reduces both spalling due to freeze-thaw and efflorescence, thus increasing the life of the substrate.

The treated LisoTop PS™ has no surface film to peel or wear off and is therefore more durable.

Anticipated life expectancy of the treated surface is 5-10 years (depending on application and use).

LisoTop PS™ complies with the EN 1504-02 high requirements.

CHARACTERISTICS

LisoTop PS™ :

- is a colourless, waterproofing, oleophobic and anti-stain protection for porous stone.
- is an exclusive new formula based on the latest evolution of water based siloxane copolymers and a series of perfluorinated siloxane.
- is water-based, contains no solvent and has a very low VOC.

ADVANTAGES

- Oil and Water repellent – LisoTop PS™ closes the pores in concrete or masonry surface, making it more resistant to oil, water and chemical attack.
- Penetrating – LisoTop PS™ can penetrate deep into the surface allowing better bonding with the concrete or masonry product.
- Invisible – LisoTop PS™ is a clear product that will not change the appearance of the surface.
- Durable – LisoTop PS™ creates a stronger, more resistant surface that increases the life of the structure.
- Anti-Graffiti – LisoTop PS™ gives anti-graffiti properties to the treated surfaces.
- Pollution resistant - LisoTop PS™ protects the surface against CO₂. UV-resistant LisoTop PS™ gives the most efficient protection for all porous stones.

AREAS OF APPLICATION

LisoTop PS™ is used as oil, water repellent and anti-stain impregnation for absorbent substrates on:

- Driveways
- Sidewalks Patios
- Paving stones
- Manufactured stones
- Stucco
- Walls
- Roof
- Floors

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PHYSICAL PROPERTIES

- Clear to light amber liquid, water-based solution
- Total Solids: 16%
- Active Ingredients: 100% of total solids
- Specific Gravity: 1.04 pH: 4,5 / 6
- Flash Point: N/A
- Boiling Point: 100° C Freeze Point: 0° C or 32°F
- Depth of Surface Penetration: 2-12 mm
- Shelf Life: One year in original unopened factory containers and stored under normal storage conditions.

PACKAGING

LisoTop PS™ is supplied in 5 L pail, 25 L pail, 200 L drum and 1000 L container. Special packaging is available on request.

MIXING

LisoTop PS™ is a multiple component product. Prior to use please shake or stir the product during 3 to 5 minutes.

SAFETY

For further information, refer to the appropriate Material Safety Data Sheet, however:

- Keep out of reach of children
- Protect from freezing
- Wear safety glasses and rubber gloves
- Do not apply to metal
- Do not apply to glass

PREPARATION AND APPLICATION

We recommend making a test application on a small area for suitability and desired results. Let the surface dry before inspection, testing and approval of desired application.

PREPARATION

1. The surface must be clean, structurally sound and free of wax, dirt, coatings, paints, curing compounds, and left over chemicals.
2. Damaged control joints, and new construction joints should be properly prepared.
3. Remove dust by air-blast or by vacuum cleaner prior to application of LisoTop PS™.
4. Surfaces should be water tested for penetration characteristics and to estimate the consumption.
5. Before application, cover and protect carefully windows, frames, and each surface that might be in contact with the product against chemical spills. In case of chemical spills, clean it with water immediately.

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WARRANTY

LiSoChem SA. will, as it sees fit, refund a defective product if it has been used properly.

Except as expressly stated above, the Company offers no guarantee of merchantability or suitability for any particular purpose, nor does it make any guarantee of any kind whatsoever, expressed or implied, with regards to the product or its use.

The company shall not be liable in any way for delay caused by defects, for inappropriate use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

*Eco-friendly
Product*



APPLICATION

1. Do not apply LisoTop PS™ to a surface colder than 5° C. Do not apply outside if raining or freezing.
2. LisoTop PS™ should be applied by low pressure sprayer, airless sprayer, roller or brush. Apply 1 liter for 5 to 10 m². Coverage rate varies according to surface porosity.
3. Apply two or three coats depending on surface porosity. Do not allow the first coat to dry before applying a second one, that is what we call "fresh on fresh". Drying time depends on the weather conditions (temperature, humidity, wind etc.)
4. Do not leave product excess on the surface. Wipe off any excess with a clean cloth before the surface dries.
5. On vertical surfaces, always apply product from the bottom to the top.
6. Clean all equipment with water.

Maximum protection is achieved 3 – 6 days after surface treatment.

TESTS

LisoTop PS™ has been tested in different laboratories around the world and meets the VOC requirements.

LisoTop PS™ has been tested by the F. A. Finger - Institute For Building Materials Science (Bauhaus – University Weimar, Germany). We have summarized results of this test. The full report is available on request

CLASSIFICATION OF LISOTOP PS™ ACCORDING TO DIN EN 1504-2 /CLASS 1

The following tests have been done:

- drying test according to DIN EN 13579 /2/,
- water absorption and resistance to alkali according to DIN EN 13580 /3/,
- determination of loss of mass of hydrophobic impregnated concrete after freeze-thaw salt stress according to DIN EN 13581 /4/,
- depth of penetration according to DIN EN 1504-2 /1/.

RESULTS:

By using LisoTop PS™, the drying coefficient amounts 58,79 %. According to DIN EN 1504-2 /1/, this complies with the performance requirements of class I (> 30 %) concerning a hydrophobic impregnation. By using LisoTop OWR™, the absorption coefficient amounts 93,41 % and the absorption coefficient after alkali stress 83,86 %. Measuring the depth of penetration: According to DIN EN 1504-2 /1/, this complies with the performance requirement of class I (depth of penetration < 10 mm) concerning a hydrophobic impregnation.