

LISOTOP 500

Oil and Water Repellent



The green power
for your surfaces

CHARACTERISTICS

LisoTop 500 is a colorless, waterproofing, oleophobic and anti-graffiti treatment for interior and exterior on natural stone, bricks, and concrete surfaces.

- » Oleophobic and waterproofing solution for all materials (brick's, concrete) and natural stones as marble, blue stone, granite, etc.
- » Anti-Graffiti

PRODUCT DESCRIPTION

LisoTop 500 is a high-performance fluorinated polymer designed to give superior oil and water repellence with anti-graffiti properties to all interior and exterior concrete and masonry surfaces (i.e., bricks, natural stone, porous or non-porous, etc.).

LisoTop 500 is non-toxic, odorless, water-based, non-flammable and easy to use.

LisoTop 500 reduces both spalling due to freeze-thaw and efflorescence, thus increasing the life of the substrate.

The treated LisoTop 500 has no surface film to peel or wear off and is therefore more durable.

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CHARACTERISTICS

LisoTop 500

- is a colourless, waterproofing, oleophobic and anti-graffiti treatment for interior and exterior concrete and masonry surfaces.
- is an exclusive new product based on very effective fluorinated polymers.
- is water-based, contains no solvent and has a very low VOC emission.

PRODUCT DESCRIPTION

Lisotop 500 is a high performance water-based product based on fluorinated polymer to give superior oil and water repellence with anti-graffiti properties to all interior and exterior concrete and masonry surfaces (i.e. bricks, natural stone, porous or non-porous, etc).

LisoTop 500 is non-toxic, odourless, water-based, non-flammable and easy to use.

Thanks to his small molecular structure, it penetrates deep into the surface without changing its appearance.

LisoTop 500 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 500 reduces both spalling due to freeze-thaw and efflorescence, thus increasing the life of the substrate.

The treated LisoTop 500 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).

ADVANTAGES

- Oil and Water repellent – LisoTop 500 closes the pores in concrete or masonry surface, making it more resistant to oil, water and chemical attack.
- Penetrating – LisoTop 500 can penetrate deep into the surface allowing better bonding with the concrete or masonry product.
- Invisible – LisoTop 500 is a clear product that will not change the appearance of the surface.
- Durable – LisoTop 500 creates a stronger, more resistant surface that increases the life of the structure.
- Anti-Graffiti – LisoTop 500 gives anti-graffiti properties to the treated surfaces.
- Pollution resistant - LisoTop OWR™ protects the surface against CO2.
- UV-resistant
- Good permeability to water vapour transmission
- Green – all LiSoChem products are environmentally friendly

LisoTop 500 has a higher performance compared with similar products on the market.

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AREAS OF APPLICATION

LisoTop 500 is used as oil, water repellent and anti-graffiti impregnation for absorbent substrates like concrete, bricks, masonry and stone surfaces including :

- Driveways
- Patios
- Paving stones
- Stucco
- Floors
- Sidewalks
- Concrete blocks
- Manufactured stones
- Walls
- Concrete surfaces

PHYSICAL PROPERTIES

Clear to light amber liquid, water-based solution

Total Solids: approx. 4%

Active Ingredients: 100% of total solids

Specific Gravity: 1.01

pH: 4,0 ± 1,0

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

Basket..... 20L

Drum 200L

Special packaging on request.

MIXING

LisoTop 500 is a multiple component product. Prior to use please shake or stir the product during 3 to 5 minutes.

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SAFETY

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

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

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 (brick, marble, stone, concrete...) must be clean, structurally sound and free of wax, dirt, coatings, paints, curing compounds, and left over chemicals.
2. Random cracks, damaged control joints, and new construction joints should be properly prepared. Concrete laitance should be removed.
3. Remove dust by air-blast or by vacuum cleaner prior to application of LisoTop 600.
4. Hard steel troweled surfaces should be water tested for penetration characteristics and to estimate the consumption.
5. Horizontal and vertical concrete or masonry surfaces should be sand blasted or shot blasted prior to application for maximum penetration.
6. 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 immediatel.

APPLICATION :

1. Do not apply LisoTop 500 to a surface colder than 5° C. Do not apply outside if raining or freezing.
2. LisoTop 500 should be applied by low pressure sprayer, airless sprayer, roller or brush. Apply 1 litre for 5 to 10 m². Coverage rate varies according to surface porosity.
3. Apply one or two 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 some surfaces (less porous, like marble and granite) use the LisoTop 500 or spray the clean surface with water prior to the application of LisoTop 500. This procedure opens the pores of the substrate and makes the penetration of LisoTop 500 easier.
6. On vertical surfaces, always apply product from the bottom to the top.
7. Clean all equipment with water.

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

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ANTI-GRAFFITI TREATMENT

Once treated, the surface acquires anti-graffiti properties. For the removal of graffiti, we recommend following these steps :

1. Remove graffiti with hot water (80°C) and high pressure between 80 and 100 bars.
2. After removing the graffiti, apply another 2 coats of LisoTop OWR™ if necessary.
3. Clean all equipment with water

The anti-graffiti treatment protects against penetration of colour pigments and paints. The treated surface will be easily cleanable.

TESTS

LisoTop 500 has been tested in different laboratories around the world and meets the VOC requirements.

LisoTop 500 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 500 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/