

# LISOTOP 600

Water repellent



The green power  
for your surfaces

## CHARACTERISTICS

The Perfect Waterproofing product For Concrete, Bricks, Marble, Stone

- » Pollution resistant
- » UV-resistant

## PRODUCT DESCRIPTION

Lisotop 600 is a water-based high performance silan emulsion designed to give superior water repellence to all interior or exterior masonry and concrete surfaces. Lisotop 600 is non-toxic, odourless, water-based, non-flammable and easy to use.

Lisotop 600 reduces both spalling due to freeze-thaw and efflorescence, thus increasing the life of the substrate.

Lisotop 600 is easy to apply and cost competitive.

### LisoChem SRL

Rue de Le Mesnil, 34  
5670 Viroinval (Belgium)  
Phone: +32 60 490 190  
Mobile: +32 483 367 323  
[www.lisochem.com](http://www.lisochem.com)  
[info@lisochem.com](mailto:info@lisochem.com)

### Manufacture & Office

Rue des Mousquetaires Gris 35  
ZI de Mariembourg  
5660 Belgium  
Phone: +32 60 490 190  
Mobile: + 32 483 367 323

# LISOTOP 600

Water repellent

*The Green Power for your Surfaces*

## CHARACTERISTICS

LisoTop 600

- is a colourless waterproofing treatment for interior and exterior concrete and masonry surfaces.
- is a water-based silan emulsion product, contains no solvent and has a very low VOC emission.

## PRODUCT DESCRIPTION

Lisotop 600 is a high performance water-based silan emulsion designed to give superior water repellence to all interior or exterior masonry and concrete surfaces.

LisoTop 600 is non-toxic, odourless, water-based, non-flammable and easy to use.

LisoTop 600 reduces both spalling due to freeze-thaw and efflorescence, thus increasing the life of the substrate.

LisoTop 600 is easy to apply and cost competitive.

The treatment using Lisotop 600 does not form a film. So no peeling or wearing off is occurred and the protection is more durable.

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

## ADVANTAGES

- Water repellent – LisoTop 600 closes the pores in concrete or masonry surface, making it more resistant to water and chemical attack.
- Penetrating – LisoTop 600 penetrates deep into the surface allowing a better reaction & bonding with the concrete or masonry product.
- Invisible – LisoTop 600 is a clear product that will not change the appearance of the surface.
- Durable – LisoTop 600 creates a stronger, more resistant surface that increases the life of the structure.
- Pollution resistant - LisoTop 600 protects the surface against CO<sub>2</sub>.
- UV-resistant
- Good permeability to water vapour transmission
- Green – all LiSoChem products are environmentally friendly.

# LISOTOP 600

Water repellent

*The Green Power for your Surfaces*

## AREAS OF APPLICATION

LisoTop 600 is used as water repellent impregnation for absorbent substrates like concrete, bricks, masonry and stone surfaces, including:

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

## PHYSICAL PROPERTIES

Clear to light amber liquid, water-based solution

Total Solids: +/- 5 %

Active Ingredients: 100% of total solids

Specific Gravity: +/- 1.02

pH: +/- 12

Flash Point: N/A

VOC Content 300<gms/ 0 g/L

Freeze Point: 32° F (0°)

Boiling Point: 100° C

Depth of Surface Penetration: 2-8 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 600 is a single component product. Prior to use please shake or stir the product during 2 to 3 minutes.

# LISOTOP 600

Water repellent

*The Green Power for your Surfaces*

## SAFETY

- 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

Read SDS before using Lisotop 600

## 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.

1. The surface (brick, marble, stone, concrete, etc...) must be clean, structurally sound and free of wax, dirt, coatings, paints, curing compounds, and pet-raw 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 product spills. In case of chemical spills, clean it with water immediately.
7. Do not apply LisoTop 600 to a surface colder than 5°C. Do not apply outside if raining or freezing.
8. LisoTop 600 should be applied by low pressure sprayer, airless sprayer, roller or brush. Apply 1 litre for 5 to 10 m<sup>2</sup>. Coverage rate varies according to surface porosity.
9. 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.).
10. Do not leave product excess on the surface. Wipe off any excess with a clean cloth before the surface dries.
11. On vertical surfaces, always apply product from the bottom to the top.
12. Clean all equipment with water.

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

# LISOTOP 600

Water repellent

*The Green Power for your Surfaces*

## TESTS

### LisoTop 600 Test ASTM

#### Water Exclusion Test:

This water exclusion test was run on:

Mortar Cube • Cement Brick

Belcrest Brick • Salem Brick

#### WATER EXCLUSION (1) VS. CONTROL AFTER 24H IMMERSION

Substrate 67 ASTM C642 (2) ASTM C67(3)

Alkaline Substrate

Mortar Cubes 94,8

Cement Brick 77

Neutral Substrates

Belcrest Brick 69,8

Salem Brick 48,3

(1) Calculation is based on weight gain of control.

(2) ASTM C642 used 50, 8mmX50, 8mm mortar cubes

(3) ASTM C67 modified to use one eighth of a brick instead of half of a brick with 3 specimens instead of 5.

#### % WATER EXCLUSION (1) VS. CONTROL AFTER 21 DAYS IMMERSION

Lightweight Concrete Block LisoTop 600 Water Repellent Emulsion

% Reduction in leak rate (2) -76

Penetration mm - 15

(1) Modified ASTM 514-3 blocks were mounted to a chamber and sprayed with water under 50.8 mm of water pressure for 4 hours.

(2) Percent reduction in leak rate-treated blocks compared with untreated blocks.