

# Unisil SL 90/99

## Water-repellent agent for the surface treatment of porous mineral materials

### Description

Octyltriethoxysilane with the catalyst, free of solvent.

### Features

- Reduces the capillary water absorption of the treated surfaces, thereby increasing the resistance to frost and retaining thermal insulation properties of materials, preventing the development of mold and moss;
- penetrates deeply into the pores and does not clog them so that the materials retain their natural properties – porosity and water vapor permeability, meaning they can "breathe";
- possible to apply on damp surfaces;
- does not change the appearance of the treated material;
- prevents the efflorescence on brick masonry;
- enhances paint adhesion to the surface.

### Application

For the water repellent treatment of porous mineral surfaces, including highly alkaline surfaces absorbing moisture, such as:

- brickwork of ceramic or silicate brick;
- building materials based on natural or artificial stone;
- ceramic materials (tiles);
- concrete, aerated concrete;
- cement-fiber boards;
- mineral plaster;
- mineral paints;
- for priming of surface before painting.

### Storage

Store in tightly closed original container at temperature from 0 °C to +30 °C.

Keep in cool, dry, well ventilated place away from areas with a risk of fire, from oxidizing agents, acids, alkalis, and other substances having acidic or alkaline reaction.

Protect from direct sunlight and moisture.

The shelf life in original container is 12 months.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

### Packing

- Steel barrels up to 200 L;
- polymer barrels up to 220 L;
- special polymer containers up to 1 m<sup>3</sup>.

### Product specification

<b>Appearance</b>	Liquid from colorless to light yellow
<b>Density at temperature (20,0±0,5)°C, at least</b>	0,87
<b>Kinematic viscosity at temperature (20,0±0,25)°C, cSt, at least</b>	1,9

For more information please contact your nearest representative of Unisil Hungary Kft.

### LIMITED WARRANTY

#### PLEASE READ CAREFULLY

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose. Unisil Hungary Kft warrants only that the product meets its specifications in effect at the time of delivery.

### How to use

**Surface preparation:** Remove old exfoliated and loosely attached coating, remove dust and dirt. It is recommended to clean surfaces with high pressure washers, steam cleaners, water jet or by mechanical means, and then remove dust. After wet cleaning the surface should be dried out. Application on damp surface free of the visible water is allowed.

**Preparation of working solution:** 1 L of liquid should be diluted in approximately 10 - 14 L of solvent. Solvents suitable for dilution are: aliphatic hydrocarbons (e.g. white spirit), aromatic hydrocarbons (such as solvent naphtha), or anhydrous alcohol 2-propanol. Hydrocarbon solvents should have a boiling point in the range of 140 - 190°C, the number of the evaporation in the range of 30 - 90. Please store the prepared solution in a tightly closed container. Avoid prolonged contact with the air.

Before use, it is recommended to make a test treatment on a small area or a particular element.

Surfaces that are not to be treated should be closed in order to protect them from unwanted exposure to liquid. Splashes on a window pane must be removed immediately using a solvent.

**Application methods:** Apply with roller, brush or by spraying until complete saturation of the surface, repeat application on still wet surface, i.e. "wet on wet". When application please provide uniform and complete absorption of the liquid in order to prevent spots and stains.

The consumption rate depends on the porosity of the material to be treated and the application method, and can range from approximately 0,1 to 2,0 l/m<sup>2</sup> of prepared working solution.

Carry out work in dry conditions at temperatures between 5 °C to 25 °C. Drying time at 20 °C is not more than 24 hours, at lower temperatures the drying is slower and may take longer.

### Safety instructions

The product is flammable when diluted; please follow fire safety instructions during work.

Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request from the Unisil Hungary Kft or printed from the website Unisil Hungary Kft [www.unisil.eu](http://www.unisil.eu).