



SILKOR
chemistry solutions

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Silicone water repellent fluid SL 90/10.

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

Characteristics

SL 90/10 is the solution of octyltriethoxysilane diluted in an organic solvent with the catalyst, ready for use.

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.

Applications

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.

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.

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 (alcohol, anhydrous 2-propanol).

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/m² of prepared working solution.

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

Storage

Store in original containers at temperature from +5°C to +35°C in a cool, dry, well-ventilated place, protect from moisture and direct sunlight, away from heaters.

Guaranteed shelf life in manufacturer's container - 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

- barrels combined / steel-polyethylene up to 200 dm³;
- barrels of polyethylene, 220 dm³;
- special polymeric containers up to 1 m³.

Safety instructions

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

Please see detailed instructions in the relevant product safety data sheet, which can be provided upon request.

Technical characteristics

Parameter name and measure unit	Standard
Appearance	Liquid from colorless to light yellow
Density at temperature (+20,0±0,5)°C, min	0.78
Kinematic viscosity at temperature (+20,0±0,25)°C , cSt, min	2.1

To obtain more information please contact your nearest representative office of Silkor Ltd.

LIMITED WARRANTY INFORMATION

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.

Silkor Ltd only guarantees that the product meets its specifications in effect at the time of delivery.