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ČSN EN ISO 9001:2009
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STONESIL AQUA - silicone hydrophobizing agent

Characteristics

STONESIL AQUA is aqueous emulsion of polysiloxane and alkylalkoxysilane intended for final water-repellent impregnation of absorbent silicate materials. The preparation is intended for direct use without dilution. It is free of organic solvents. It does not create efflorescence or shiny areas. It does not change the original appearance of the material and it does not reduce its vapour permeability.

Basic parameters

Colour and appearance	milky white low-viscosity liquid (invisible when dry)
Active substance content (%)	approx. 5
Density (kg/m ³)	990 - 1000
pH	3 - 4
Setting point (°C)	0
Emulsifying system	Non-ionogenic

Use

Lukofob Naturstone is intended for surface hydrophobization of all porous silicate materials, such as natural and artificial stone, roofing, masonry, facing bricks and strips, plasters (matured), unglazed paving, concrete, etc.

By means of hydrophobic (water-repellent) treatment, the absorbency of these materials can be significantly reduced (water forms balls that flow quickly from the surface) and thus decrease damage by frost, surface dirt, corrosive effects of water-soluble salts and efflorescence creation. Therefore, the overall service life and functionality of hydrophobized materials can be extended significantly. Due to the high resistance of silicones to weather, sunlight and temperature, the hydrophobic treatment has a long service life.

Method of application

STONESIL AQUA is not diluted; it is just stirred briefly before use.

It is applied on dry, clean, cohesive surfaces that have not been heated by sunlight. Efflorescence, old or peeling coatings and layers must be blasted, brushed off or otherwise removed. Dust and dirt must be washed with clean (pressurized) water and left to dry thoroughly. When the preparation is applied on a wet surface, the quality of the hydrophobizing treatment will be compromised. Cracks, joints and cohesionless areas must be repaired before applying the hydrophobizing agent.

STONESIL AQUA is applied by spraying (low-pressure spray guns), paint roller or paint brush and only in an amount that can be absorbed and does not run down vertical walls. The preparation must be applied evenly across the entire surface until complete saturation of the surface. The area that has already absorbed the preparation can be retouched even before the preparation dries up completely. Dried preparation is not repainted. The aim is to allow the surface to absorb as much of the preparation as possible. Areas where the preparation has not been absorbed should be wiped dry.

Application must be carried out at ambient and surface temperatures of +5 to + 30 °C. The treated surface must be protected from rain for about 24 hours.

Approximate consumption of STONESIL AQUA is 0.3 to 1 l/m² depending on the absorbency of the material. Before application, it is advisable to test the preparation on a small area to check the final appearance of the treated surface and to determine the consumption of the preparation. The hydrophobized material dries according to the ambient conditions. The hydrophobic effect occurs after a complete evaporation of water within a few hours.

Work tools and stained non-porous surfaces must be washed with water as soon as possible. It is advisable to cover windows and doors before spraying.

Occupational safety and health protection

STONESIL AQUA is not classified as a dangerous chemical preparation. The preparation does not contain any organic solvents; no hazardous fumes are formed during application. General hygiene measures should be observed when handling this preparation. Do not eat or drink during work. In the event of contact with hands, wipe them with a cloth and wash with warm water and soap, treat them with repair cream. In the event of contact with the eye, it can cause tearing. Rinse the eye with a stream of clean water; seek medical attention if irritation persists. If swallowed, rinse mouth with water, drink about 1/2 litre of lukewarm water, and never induce vomiting.

No harmful effect on aquatic organisms is expected according to current experience. The silicone component is not biodegradable; it is adsorbed on floating particles. Emulsifiers are biodegradable. Nevertheless, the product in large quantities should not enter waterways, sewers or soil. When the preparation leaks, it is removed with inert liquid-binding material (e.g. diatomaceous earth), stored in a suitable container and disposed of as unusable residue. The residual slippery layer is rinsed with water and biodegradable detergent.

Disposal of residues and packaging: Dispose of preparation residues as hazardous waste. Packaging completely free of preparation residues (dripping out) can be disposed of as municipal waste or can be recycled.

Packing and storage

STONESIL AQUA is supplied in 1-litre PE bottles, 25-kg cans, 200-kg barrels or 1000-kg containers. Storage life is 9 months from the manufacturing date if kept in original, perfectly sealed packaging in roofed, dry warehouses, at temperatures of +5 to +40 °C. The preparation must not freeze! Protect from direct sunlight.

This leaflet contains non-binding data that is provided for the customer's information. The information on the specified types of applications is not completely exhaustive. Should you have any doubts or questions, feel free to contact the Department for Commercial and Technical Services of Lučební závody a.s. Kolín, phone: 321 741 350-2, Email. ots@lucebni.cz.

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