



Water repellent crystallizable impregnate for concrete and plastered surfaces.

PRODUCT DESCRIPTION

Forsilica is a water-based impregnating emulsion, with excellent hydrophobic properties (beading effect), designed to protect masonry and concrete surfaces. The product seeps into the concrete`s mineral surfaces and reach with the calcium contained in the concrete, forming a crystalline structure. The product increases the durability of concrete and works as **a dust brake**.

TYPICAL APPLICATIONS

- Concrete floors
- > Concrete elements and panels
- > Aerated concrete, lightweight concrete blocks, etc.
- Terracotta and clay materials: roof tiles, bricks, flower pots, etc.
- > All concrete structures indoor and outdoor etc.
- On plastered walls and masonry mixtures
- Gypsum containing materials

BENEFITS & ADVANTAGES

- > Excellent penetration depth
- > Fast water repellent effect and breathable coating
- Very good water absorption resistance through the capillaries without closing the pores
- Good vapor permeability
- Shows very high reactivity and resistance against alkali
- Stable on storage
- Protects against rain and flowing water
- > Prevents and stop the growth of microorganisms
- > The appearance of the surface remains the same
- Developed as a replacement for solvent- based silane/siloxane products
- > Provides good adhesion when used as a primer
- Environmentally friendly and water soluble
- > Withstands thermal stresses
- > Extends the useful life of the structure
- Provides additional resistance to attack by dilute acids and alkalis
- > Increases the hardness of concrete
- Easy to apply, cannot be damaged during construction

HANDLING & PROCESSING

Forsilica should not be used at temperatures below +4 °C (at high temperatures it is recommended to apply in the morning or late at night). Apply to the surface with a sprayer, brush or roller. Eye protection should be worn when spraying. The installation speed when spraying with a sprayer is 100-150 m^2 per hour. Shake the container well before application. Apply only to concrete which is dry to the touch (no damp patches).

> Surface treatment on concrete

Before processing the concrete, the concrete should be cleaned thoroughly. The surface should first be brushed to remove loose dirt. Old concrete surfaces are recommended to be washed with a pressure washer. Allow the concrete to dry properly for at least 24 hours before applying Forsilica. Cracks must be repaired before installation and Forsilica should be flooded with 1 liter per 3-4 running meters. Testing determines if leaks are visible and should be checked for at least 12 hours. If leaks are detected, cracks must be repaired (injected) beforehand. Joints and similar areas must be sealed before application.

For new concrete, it is recommended to apply Forsilica within 2 to 4 weeks. No puddles should remain on the surface. If it rains before Forsilica has dried, the material must be reapplied.

DOSAGE

The recommended material consumption is 140- 420 g/m², depending on the porosity of the surface. For new polished concrete surfaces: 140- 180 g/m²

IMPORTANT

Forsilica should not come into contact with glass and aluminum



SL Protection OÜ www.slprotection.eu Vana-Narva mnt. 30, Maardu, 74114, Harju maakond, Estonia





Water repellent crystallizable impregnate for concrete and plastered surfaces.

TYPICAL PROPERTIES

Property	Unit	Value
Appearance		Transparent liquid
Specific gravity	kg/l	1.02
рН		13
Dry time		Min. 2- 4 h
Paintable		Excellent
Recoat		24 h
Flach Point		absent
Explosion hazards		absent

STORAGE

Store in the shade. Shelf life is 24 months in original sealed containers. Stir before application, do not allow to freeze

HEALTH AND SAFETY

Before considering the use of Forsilica product please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Safety Data Sheet is available on our website www.slprotection.eu or upon request from your local representative.

PACKAGING

Forsilica (liquid) is available in 1000 L IBC containers. At the customer's request, it can also be packaged in other containers, such as 1L, 3L, 5L, 25 L canisters.

WASTE DISPOSAL

When disposing of waste, follow local waste management regulations and take hazardous waste to an appropriate collection point.

MANUFACTURER CONTACT

SL Protection OÜ Vana-Narva mnt. 30, Maardu, 74114, Harju maakond, Estonia Tel. (+372) 55666174 http://www.slprotection.eu E-mail: info@slprotection.eu



SL Protection OÜ www.slprotection.eu Vana-Narva mnt. 30, Maardu, 74114, Harju maakond, Estonia NOTE: All reasonable precautions have been taken in the manufacture of Forsilica products to ensure compliance with Forsilica high-quality standards. Recommendations and product features are believed to be based on the most reliable information available, and do not constitute recommendations to infringe the rights of other patents. Although all Forsilica products undergo rigorous quality testing, no specific guarantee can be given as results depend not only on quality but laso on factors beyond our control. Therefore, we are happy to consult with you in case of any doubts regarding the application or the indicators, also pointing out that any oral recommendations other than those given here are not binding without written confirmation from Forsilica. All transactions are subject to our terms of sale, delivery and service. This data sheet supersedes the previous one, a superseding version can be issued without notice, if necessary. The information on this page is true and reliable to the best of our knowledge. The offered on-site service cannot be taken as responsible supervision. Therefore, our warranty is limited to the quality of the materials supplied.