

Technological instruction No. 07-006

SI

Catalogue No.: 643000

The impregnating varnish SI is silicon coating.



CHARACTERISTICS

Application	It serves for reducing of absorbability of bases on silicate basis (for example concrete, stone, bricks of cement and lime-cement renders).
Characteristics	Impregnated surface is gleamless. It is produced in one quality class in transparent tint. The impregnating varnish SI significantly increases hydrophobicity, reduces absorbability without changes in appearance, improves ratio between price and benefit of treated materials.
Appearance	transparent

TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Density	EN ISO 2811	1.0 - 1.1 g/cm ³	

The specified characteristic parameters are average values. Due to the use of natural raw materials in our products, the specified values may insignificantly differ in individual deliveries. This, however, does not compromise suitability and reliability of our products.

SUBSTRATE

Requirements	The base must be firm and consistent, cleaned from dust, grease spots and all impurities that could reduce the varnish adhesive capacity to the base. Mineral bases, namely renders and concrete must be matured.
Preparation of the material	Inconsistent base must be conveniently removed, for example by wiping or blowing with compressed air.

APPLICATION

Climatic conditions during application	The work may not be done under rain, fog, strong wind nor to directly sunlit surfaces. Range of working temperatures is from +5 °C to +40 °C (both, the air and the base too). The applied material must be secured against frost and rain up to complete drying (at temperatures under +10 °C and high relative humidity it takes even 24 hours).
Preparation of the material	It is applied in consistency delivered by the producer and there is no need to thin it. Working concentration of the penetration coating is obtained by thinning and short manual mixing.
Consumption	(kg/m ²) Impregnating varnish SI: 0.06 - 0.12 (one layer)
Spreading capacity	167 m ² / bucket (15 kg) according to the base
Application	The impregnating varnish SI is applied by hard brush or roll. One paint is sufficient for impregnation. The work may not be done under rain, fog, strong wind nor to directly sunlit surfaces. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc.) must be protected against pollution by a suitable foil, tapes etc.). Any polluted area must be cleaned in time because removal of dried material is difficult.
Drying, curing, revision time	The material hardens physically through water vaporisation. On principle, protective measures must be taken (e.g. protection against rain, protection against sun by shading) on the worked or just finished surface under adverse conditions. At an air temperature of +20 °C is rework is possible not earlier than after 4 hours.

Cleaning tools Immediately after use clean with water.

DELIVERY

Colour hue transparent

Tintable The product cannot be tinted.

Packing The product is packed in 5 or 15 kg plastic portable buckets.

STORAGE

Storage When storing in the tightened closed original packages the guarantee period is 12 months from the date of production. Protect against frost, do not store in sun-radiated places.

Storage period 12 months from the date of production.

Ecology Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.

IDENTIFICATION


Product group penetration varnish

Safety H315 Causes skin irritation. H318 Causes serious eye damage. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical attention. P501 Dispose of container in accordance with local regulations. Hazard determining components: Tripotassium propylsilanetriolate, Potassium hydroxide. Additional information: **VOC:** Product category A, product subcategories h. The maximum permissible limit VOC content in the product ready to use is 30 g/l mass. Maximum VOC content in the product ready to use is 0.0 g/l mass.

SPECIAL INFORMATION

Regarding orders, transport, handling and storing, general sales conditions are applicable. Usage of the product is described in relevant technological sheet. Respect safety sheet instructions. The prescription is available at authorized dealers and on the address **www.stomix.com**.

The information provided takes in account the current status of the technology. We give general instructions based on our experience with application and results of the material tests. However, the information provided can't take into account the local conditions during the application, therefore, it can't be legally binding. In case of doubts or need to solve specific technical problems, please contact us.

	STOMIX, spol. s r. o. 790 65 Skorošice 197 Czech Republic ID: 48400874	
	08	10-001-03
EN 1504-2:2006 Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete		
Depth of penetration:		≤ 10 mm
Water absorption and resistance to alkali:		< 7.5 %
Drying speed of hydrophobic impregnation:		≥ 30 %
Weight loss after alternating action of frost and de-icing salts:		NPD
Hazardous substances:		Meets 5.4



WWW link