

Impregnating varnish SI

Technological instructions no.: 37-1

Safety sheet no.:

37

Composition:

polymer binding substances, modifiers, biocide agents (protection against moulds, fungi and algae)

General description:

The impregnating varnish SI is silicon coating. It serves for reducing of absorbability of bases on silicate basis (for example concrete, stone, bricks of cement and lime-cement renders).

Merits:

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.

Unit of measure:

kg

Consumption per m2:

0,06 – 0,12 kg/m2 Consumption depends on a manner of painting.

Spreading capacity:

167 m2 / bucket (25 kg) according to the base

Grain size:

not mentioned

Packing:

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

Customs code:

3209100000

Colour scheme:

transparent

Thinning:

It is applied in consistency delivered by the producer.

Bases:

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. Inconsistent base must be conveniently removed, for example by wiping or blowing with compressed air.

Warning:

The mentioned information are compiled upon current status of technique. They represent general instructions upon our application experience and material test results. However they cannot include local conditions at its application and due to this any legal liability cannot be deduced from them. In doubt or need of solution of specific technical questions please contact us.

Preparation of the material:

Before use the varnish is mixed in the packaging, or a suitable tank or in a clean mixer. It is applied in consistency delivered by the producer and there is no need to thin it.

Workability period:

not mentioned

Description of 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. 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). Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, removable or protective paints etc.). Any polluted area must be cleaned in time because removal of dried material is difficult.

Flatness requirements:

not mentioned

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).

Safety regulations:

The impregnating varnish SI is not a flammable liquid in the sense of the ?SN 65 0201 standard. It does not contain any toxic organic solvents. It is not classified a dangerous substance or preparation in the sense of the Act no. 356/2003 Coll. as amended. 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 0,1 g/l mass.

First aid:

Protect your eyes and skin against stain, do not eat, smoke nor drink during the work. After the work wash your hands with water and soap and apply and reparation cream. If your eyes are hit, rinse them with water minimally for 15 minutes. If consumed immediately rinse mouth, drink minimally 0,5 l of water, do not invoke vomiting and always seek medical help.

Recommended tools:

brush with hard pile, roll

Quality:

The product is certified for the mentioned use and tested by accredited testing laboratory. At production the product is controlled by the company laboratory subject to the certified quality management system subject to the ?SN EN ISO 9001 standard.

Storage:

The product must be stored in original packing protected against humidity, direct sunlight under temperatures minimally +5 °C. Under the mentioned conditions is the storage life 6 months from the production date. Production date is marked on the packing.

Liquidation:

Liquidation of not usable remains is done by avoidance of access of air and after drying it is liquidated as building waste. Used packaging is liquidated as other waste according to the valid legislation.



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EN 1504-2
Products for protection and repairs of concrete structures, concrete protection systems

Water absorption and resistance to alkali: EN 13580
Class 1 < 7,5 %
Capillary absorption and permeability to water: EN 1062-3 < 0,1 Kg/m² . h^{0.5}
Drying speed coefficient: EN 13579 Class 1 ≥ 30 %
Identification of water depth penetration: EN 1766
Class 1 < 10 m
Dangerous substances: comply with 5.4