

Jotashield HF Siloxano

Product description

Type

It is a hydrophobic impregnation based on polysiloxane resins.

Features and benefits

It creates a hydrophobic barrier. It reduces the absorption of rainwater maintaining the breathability of the support .

Recommended use

It penetrates the concrete , cement or plaster and impregnates the substrate to form a hydrophobic barrier which generates an invisible and tack film. Stones (natural , sandstone , limestone , etc.), bricks and other masonry work that has been treated with Jotashield HF repel water. It reduces drastically absorption of rainwater , maintaining the breathability of the treated support without change the original appearance.

Substrate

Concrete, blocks, natural stone, etc.

Product data

Packaging size	1 L and 10 L
Colours	Clear
Solids by volume	7 ± 2 volume%
VOC for Ready-for-Use Mixture	EU limit value for the product (cat. A/h): 750 g/l. The product contains max 750 g/l VOC.

Application data

The product can be applied by

Roller : Recommended.

Brush : Recommended.

Spray : Use airless spray or conventional spray.

Guiding data for airless spray

Nozzle tip	0.33-0.46 mm (0.013-0.018")
Spray angle degrees	40° - 80°
Pressure at nozzle	15 MPa (150 kp/cm ² , 2100 psi)

Film thickness per coat

Typical recommended range

Theoretical spreading rate 8 - 1 m²/l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Spreading rate is for liter and coat, y can vary depending on surface absorption.

Thinner

Jotun Thinner No. 2

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	5 h	3 h	1 h
Hard dry	10 h	6 h	2 h
Dry to over coat, minimum	10 h	6 h	2 h

Directions for use

Surface preparation

The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Recommended paint system

Topcoat

Jotashield HF Siloxano : Apply the product until it saturates. Repeat the treatment after 2 days.

Remarks

Other systems may be specified, depending on area of use.

Contents of packaging with different batch numbers must be mixed together before use.

Please refer to the Decorative Sales Department for technical advice.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.