

Jotashield Extreme Silk(I)

Product description

Type

This product is a superior quality, exterior water based paint. Based on pure acrylic emulsion.

Features and benefits

The special formulation based on a cutting edge technology offers excellent thermal comfort, lower energy consumption for keeping building interiors cool, longer lasting colours and protection against concrete carbonation. The special acrylic binder provides durable and long lasting silk finish with low dirt pick up. Delivers unparalleled resistance to cracking, flaking and chalking. Specially designed to withstand the harsh middle east climate and weather conditions. Resistant to algae and fungus. Resistant to algae and fungus.

Recommended use

Ideal for decorating and protecting exterior surfaces and specially suits as a maintenance product.

Substrate

Cement plaster, concrete, block work, rendered surfaces, gypsum board etc.

Product data

Packaging size	1 L, 4 L and 20 L.		
Colours	Refer to Jotashield exterior colour card.		
Gloss level	6 - 8 EN ISO 2813 (60°)		
Solids	38	± 2	volume% Theoretical
VOC	78	g/l	ASTM D3960
VOC	13	g/l	ISO 11890 EU
VOC-USA	78	g/l	EPA Method 24

Application data

Remarks

Handle with care. Stir well before use.

The product can be applied by

Spray : Use airless spray or conventional spray.

Roller : Recommended.

Brush : Recommended to paint corners and edges.

Guiding data for airless spray

Nozzle tip	0.021" - 0.027"
Spray angle degrees	65-80°

Technical data sheet

Jotashield Extreme Silk(I)



Pressure at nozzle 140 - 190 kg/cm² (2100 psi)

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, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

Recommended film thickness per coat

Dry	Minimum	25 µm
Dry	Maximum	35 µm
Dry	Typical	30 µm
Wet	Minimum	65 µm
Wet	Maximum	92 µm
Wet	Typical	80 µm

Film thickness will vary and is calculated as average.

Spreading rate per coat

Theoretical	Minimum	15 m ² /l
Theoretical	Maximum	10,8 m ² /l
Theoretical	Typical	12,6 m ² /l

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

Thinner

Water

Dilution

Maximum 10 %

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

Good ventilation (Outdoor exposure or free circulation of air)

Typical film thickness

One coat on top of inert substrate

The given data must be considered as guidelines only. The actual drying time and time before recoating may be shorter or longer, depending on the ambient temperature, film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc.

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.

Relative Humidity (RH)	50 %	50 %	50 %
Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	12 h	6 h	2 h
Hard dry	16 h	8 h	4 h
Dried to over coat, minimum	12 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 foam release 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

Primer

Jotashield Alkali Resistant Primer (I) : 1 Coat(s)

Topcoat

Jotashield Extreme Silk (I) : 2 Coat(s)

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.