

Jotashield Waterbased Penetrating Primer

Product description

Type

This product is a superior quality alkali resistant water based primer. Based on acrylic copolymer emulsion.

Features and benefits

Offers excellent alkali resistance, superior penetration and adhesion properties, which makes it suitable for chalky surfaces. This product is GS11 compliant.

Recommended use

Ideal for priming exterior surfaces.

Substrate

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

Product data

Packaging size	4 L and 18L Turkey : 2.5L and 15 L
Colours	White
Solids by volume	47.8 ± 2 volume% Theoretical
Specific gravity	1.11 Theoretical
VOC	0 g/l ISO 11890 EU
VOC	22 g/l US EPA method 24

Application data

The product can be applied by

Roller : Recommended.

Brush : Recommended to paint corners and edges.

Spray : Use airless spray or conventional spray.

Guiding data for airless spray

Nozzle tip	0.38-0.53 mm (0.015-0.021")
Spray angle degrees	65-80°
Pressure at nozzle	15 MPa (150 kg/cm ²)

Cleaning of painting tools

Water

Film thickness per coat

Typical recommended range

Dry film thickness 25 - 35 µm

Wet film thickness 52.3 - 73.4 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 19.12 - 13.6 m²/l

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

The average spreading rate per coat can be confirmed at site by a trial application.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Thinner

Water

Dilution

Maximum 10 %

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.

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.
4. The primer will have after tack although it is cured fully.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	6 h	3 h	1 h
Hard dry	15 h	7 h	3 h
Dry 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 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

Primer

Jotashield Waterbased Penetrating Primer : 1 Coat

Topcoat

To be topcoated with suitable system.

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.

This product is available in: United Arab Emirates, Bahrain, Kuwait, Qatar, Oman, Saudi, Egypt and Libya

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.