Jotashield Primer

Product description

Type

A premium water-based acrylic primer that serves as foundation for Jotashield paint system to deliver high performance and improve the appearance of the paint.

Features and benefits

Alkaline Resistance - It seals off the substrate to resists alkaline and moisture attack to minimize efflorescence and discolouration.

Superb Adhesion - Creates a foundation layer that improves adhesion and paint performance to reduce the possibility of flaking and peeling.

Water Resistant - Resist water ensuring less stain marks.

Formulated Without Harmful Chemicals - Free from harmful chemicals such as APEO, formaldehyde, heavy metals and has low volatile organic compound (VOC).

Recommended use

For exterior application, suitable for new buildings or repainting.

Substrate

On concrete, masonry, plaster & brick work surfaces.

Product data

Packaging size	Packing may vary from country to country according to local requirements.
Colours	White.
Solids by volume	32 ± 2 volume%

Application data

Remarks

Handle with care. Stir well before use.

Application equipment / methods

By brush, roller, airless spray or conventional spray.

Guiding data for airless spray

Nozzle tip	0.021–0.027"
Spray angle degrees	65–80°
Pressure at nozzle	140 - 190 kg/cm² (2100 psi)

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) for this product. For your nearest local Jotun office, please visit our website at www.jotun.com.

Spreading rate per coat

Theoretical Spreading rate per coat (m²/l) : 8 -10.7

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

Recommended film thickness per coat

Dry film thickness : 30 - 40 microns (µm)
Wet film thickness : 93.8 - 125 microns (µm)

Film thickness will vary and is calculated as average.

Thinner

Water

Dilution

The paint is ready to use after proper stirring. If thinning is required, water may be added up to a maximum of 5%.

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. 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. A complete system can be described on a system sheet, where all parameters and special conditions could be included.
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	2 h	1 h	0.5 h
Hard dry	8 h	6 h	4 h
Dry to over coat, minimum	4 h	2 h	1 h

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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 Primer : 1 coat

Topcoat

Jotashield (New) series / Super Jotashield Series : 2 coats

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.

Environmental labelling

Green Building Standards

The declared product contributes to Green Building Standard credits by meeting the following specific requirements

LEED®v4 (2013)
EQ credit: Low emitting materials
Healthcare and schools, Exterior applied products: VOC content for Primers, Sealers and Undercoaters (100 g/L) (CARB (SCM)2007).
MR credit: Building product disclosure and optimization
Material Ingredients, Option 2: Material Ingredient Optimization, International Alternative Compliance Path - REACH optimization: Fully inventoried chemical ingredients to 100 ppm and not containing substances on the REACH Authorization list – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list.
Environmental Product Declarations. Product-specific Type III EPD (ISO 14025;21930, EN 15804).

BREEAM® International (2016)
Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804).

BREEAM® International (2013)
Hea 02: VOC content for Pimers WB (30 g/L) (EU Directive 2004/42/CE).

Complies to Singapore Green Label.

Additional certificates and approvals may be available on request.

Certificates

Complies to Singapore Green Label, Malaysia SIRIM Eco-Label.

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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.

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