Jotashield Eterna

Product description



Type

This product is a superior quality exterior paint based on pure acrylic emulsion and with special additives.

Features and benefits

Our latest premium smooth top-coat that has been expertly crafted with superior binder technology and special additives. This exceptional product delivers superior colour performance, active protection and best in class durability to ensure a long- lasting beautiful finish for your exterior walls. To add to this, Jotashield Eterna's anti-dust technology helps to prevent dust particles from penetrating the paint film; thus making the exterior walls looking clean and fresh but also ensures excellent washability. Jotashield Eterna is an excellent offering that will help you cherish the feeling of a freshly painted exterior wall for a longer period. It also protects concrete from carbonation with its anticarbonation property.



Recommended use

Ideal for decorating and protecting exterior surfaces. This product can also be used in interior areas such as basement car park walls and ceilings as a highly effective anti carbonation coating.

Substrate

Cement plaster, concrete, block work, rendered surfaces etc.
Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulations, cracks, pin holes etc., should be rectified/filled before starting painting. The compatibility of any third party filling material, if used, shall be confirmed with Jotun before application.

Product data

Packaging size	1L, 4L and 18L
Gloss level	5 - 8 EN ISO 2813 (60°)
Solids by volume	35 ± 2 volume%
Specific gravity	1.26 Theoretical Only for white colour
VOC	1 g/l ISO 11890 EU
VOC comments	This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions.

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.

Application data

Remarks

Stir well before use. Handle with care.

The product can be applied by

Roller : Recommended.

Spray : Use airless spray or conventional spray.

Brush : Recommended to paint corners and edges.

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)

Film thickness for Skim Coat

Typical recommended range

Dry film thickness	35	-	50	µm
Wet film thickness	100	-	145	µm

Film thickness will vary and are calculated as an average.

Theoretical spreading rate	10	-	7	m²/l

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

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

Thinner

Water

Dilution

Maximum 10 %

Sanding

Joints: Sanding is not recommended over joints. If required use 80 or 120 grit sandpaper for easier sanding.

Skim Coat: It is recommended to use 120, 150 or 180 grit sandpaper.

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.

The drying time is measured by stated values:
Relative Humidity (RH) 50 %

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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
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 Application System

Acrylic Emulsion Primer or Jotashield Alkali Resistant Primer or Jotashield Penetrating Primer : 1 Coat

Topcoat

Jotashield Eterna : 2 Coats.

Use Jotun Block Filler or Jotashield Ultra Bond Filler to rectify any imperfections on the substrate followed by sanding and the removal of accumulated dust.

Remarks

To make full use of Jotashield Eterna's unique anti-dust technology, heat-reduction capabilities*, superior colour performance, best in class durability and excellent washability the Recommended Paint System should be followed. However, other systems may be specified, depending on area of use.

Masking tape has to be removed immediately after application of the topcoat.

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, Saudi, Oman, Egypt and Libya

** this feature is available in colours with the cool black pigment*

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.

Certificates

Carbon di-oxide diffusion resistance : Tested in accordance with BS EN-1062-6 - Class C1, as per BS EN 1062-1

Water vapour transmission rate : Class V1 (high), as per BS EN 1062-1

Liquid water transmission rate : Tested in accordance with EN 1062-3 - Class W3 (low), as per BS EN 1062-1

Depth of water penetration under pressure : Tested in accordance with BS EN 12390-8

UV resistance : Tested in accordance with BS EN 1062-11

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Reaction to Fire : Tested in accordance with ASTM E 84 - Class A

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 data given 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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