Jotashield Tex Ultra

Product description

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

Features and benefits
Offers very good weather and water resistance. The unique UV protected colours offer outstanding protection against destructive effect of UV rays present in Sunlight. Its unique formulation protects concrete from carbonation (Acts as anticarbonation coating). Provides an attractive texture that will hide and cover minor imperfections when applied with a sponge roller. Designed to provide eggshell* finish with medium texture. Has ability to cover cracks up to 2.6mm.

Recommended use
Ideal for decorating and protecting exterior surfaces. Recommended for protecting concrete structures like bridges and tunnels.

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

*Different countries/specifications use different terminology.

Product data

Packaging size
4 L and 18 L
Egypt and Libya : 10 L and 20 L.
Turkey : 2.5 L and 15 L

Colours
Refer to Jotashield exterior colour card.

Solids by volume
42 ± 2 volume% Theoretical

Specific gravity
1.28 Theoretical Only for white colour

VOC for Ready-for-Use Mixture
EU limit value for the product (cat. A/c): 430 g/l. The product contains max 60 g/l VOC.

VOC
34 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.

The VOC values refer to white colour.

Application data

The product can be applied by
Spray : Use airless spray or conventional spray.
Roller : Use of sponge roller provides attractive textures.
Brush : Recommended to paint corners and edges.

Guiding data for airless spray

Nozzle tip
0.53-0.78 mm (0.021-0.031”)

Spray angle degrees
40º - 80º

Pressure at nozzle
20 MPa (200 kp/cm², 2800 psi)
Cleaning of painting tools

Water

Film thickness per coat

Typical recommended range

<table>
<thead>
<tr>
<th></th>
<th>Typical range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry film thickness</td>
<td>75 - 420 µm</td>
</tr>
<tr>
<td>Wet film thickness</td>
<td>178 - 1000 µm</td>
</tr>
</tbody>
</table>

Film thickness will vary and is calculated as average.

Theoretical spreading rate 5.6 - 1 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 5 %

Concrete protection system : No dilution is required.

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 %

<table>
<thead>
<tr>
<th>Substrate temperature</th>
<th>10 °C</th>
<th>23 °C</th>
<th>40 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface (touch) dry</td>
<td>120 min</td>
<td>60 min</td>
<td>45 min</td>
</tr>
<tr>
<td>Hard dry</td>
<td>48 h</td>
<td>24 h</td>
<td>12 h</td>
</tr>
<tr>
<td>Dry to over coat, minimum</td>
<td>10 h</td>
<td>5 h</td>
<td>3 h</td>
</tr>
</tbody>
</table>
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.

For concrete surfaces, sweep sand blasting or water jetting is recommended.

As and when required, Jotashield Filler can be used to cover pinholes and minor imperfections.

Recommended paint system

Primer
Jotashield Penetrating Primer : 1 Coat

Topcoat
Jotashield Tex Ultra : 2 Coats

Other paint systems
On porous and chalky surfaces :
Jotun Penetrating Sealer : 1 Coat
Jotashield Penetrating Primer : 1 Coat
Jotashield Tex Ultra : 2 Coats

As concrete protection system:
Jotun Siloxane Acrylic Primer : 1 Coat
Jotashield Tex Ultra : 2 Coats

Remarks
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, Turkey, Egypt and Libya

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

This product contributes to Green Building Standard credits by meeting the following specific requirements:

LEED®v4 (2013)
- 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).

SS Credit: Heat Island Reduction
- Selected colour(s) of this product meets the requirements of:
  - SR of at least 0.33 for Non-roof structures
  - SRI of at least 39 for Steep-sloped roof
  - SRI of at least 82 for Low-sloped roof
  - SRI of at least 39 for Parking roof covering

LEED® (2009)
- SS credit 7.1: Heat Island Effect - Nonroof
  - Hardscape, Roof structures and Parking roof covering. Selected colour(s) have SRI of at least 29.

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

BREEAM® International (2013)

Additional certificates and approvals may be available on request.

Certificates

Crack bridging ability : 2.6 mm : Taiwood Engineering, UK.

Liquid water transmission rate : Class 1 (low Classification in accordance with EN-1062-1.) and Reduction in water absorption : 99.9% : Technology center, UK.

Moisture vapour transmission rate : Class 2 (Medium : Classification in accordance with EN-1062-1.) :
  - Equivalent air layer thickness : 1.3 M : Technology center, UK.

Carbon di oxide diffusion resistance : Class 1 (Classification in accordance with EN-1062-6,) and Equivalent air layer thickness : 1130 M : Technology center, UK.

Chloride ion diffusion coefficient : Negligible diffusion : Technology center, UK.

Humidity-BS 3900 Part F2 : Coated paint film is undamaged for 500 Hrs with no signs of blistering and loss of adhesion. Taiwood Engineering, UK.

Approved by MPI (The Master Painters Institute) under MPI category # 41
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.