

## Jotashield Tex Ultra(ES)

### Product description

#### Type

This product is a very water resistant, flexible and satin finish, based on a 100% pure acrylic emulsion.

#### Features and benefits

It offers great outdoor 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). Recommended as anti-cracking system for most exterior surfaces, the product has been tested by an independent laboratory Taywood Engineering Lab (UK) and provides a resistance elongation at break of 2.6 mm. opening between lips. Applied by roller sponge pore 3, it provides an attractive roughness that will hide and cover minor imperfections and cracks.

#### Recommended use

Ideal for decorating and protecting exterior surfaces. This product is classified as ideal for anti-carbonation concrete protection system. Recommended for protecting concrete structures like bridges and tunnels.

#### Substrate

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

### Product data

<b>Packaging size</b>	4 L and 15 L
<b>Colours</b>	Refer to Jotashield exterior colour card.
<b>Solids</b>	42 ± 2 volume% Theoretical
<b>Specific gravity</b>	1,28 Theoretical Only for white colour
<b>VOC for Ready-for-Use Mixture</b>	EU limit value for the product (cat. A/c): 40g/l(2010 )The product contains max 40 g/l VOC.

### Application data

#### The product can be applied by

Gun : Airless spray, Conventional spray or Hopper Gun.

Brush : Recommended.

Roller : Use of sponge roller provides attractive textures.

#### Guiding data for airless spray

<b>Nozzle tip</b>	0.53-0.78 mm (0.021-0.031")
<b>Spray angle degrees</b>	40° - 80°
<b>Pressure at nozzle</b>	20 MPa (200 kp/cm <sup>2</sup> , 2800 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, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

## Film thickness per coat

### Typical recommended range

Dry film thickness 140 - 1000 µm

Wet film thickness 330 - 2400 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 3 - 0,4 m<sup>2</sup>/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

No dilution is required.

## Cleaning of painting tools

Water

## 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.

### Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	120 min	60 min	45 min
Hard dry	48 h	24 h	12 h
Dry to over coat, minimum	10 h	5 h	3 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.

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 :

Jotashield Penetrating Primer Transparente or Jotashield PL : 1 Coat

Jotashield Tex Ultra : 2 Coats

#### On new or old in good condition:

Jotashield Penetrating Primer Transparente : 1 Coat

Jotashield Penetrating Primer or Jotashield Alkali Resistant Primer(ES) : 1

Jotashield Tex Ultra(ES) : 2 Coats

If a putty is used to correct imperfections of the substrate, it is necessary to sand the surface, followed by a layer of undiluted Jotashield Penetrating Primer before applying any product in Jotashield range. Depending on the area of use can be specified other systems.

### 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.

### 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

Crack bridging ability : 2.6 mm : **Taywood 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. **Taywood Engineering, UK.**

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

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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.

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## 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.