

# Technical Data

## Jotashield Tex Ultra



### Product description

Jotashield Tex Ultra is a semigloss medium texture flexible coating based on a high quality 100% pure acrylic water based binder.

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### Recommended use

Specially recommended for exterior use on all types of cement plaster and concrete surfaces. The product has good weather and water resistance. Jotashield Tex Ultra provides an attractive texture that will hide and cover minor imperfections in the surface when applied with a sponge roller. The product has been independently tested at the Taywood Engineering Lab-UK to have crack bridging up to 2.6 mm, and is also tested for carbon dioxide diffusion, Chloride Ion diffusion, water vapour transmission and liquid water transmission. Jotashield Tex Ultra is classified as a suitable concrete protection system. The product is also suitable for interior surfaces creating special decorative effects.

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### Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry (µm)	140	1000
Film thickness, wet (µm)	330	2400
Theoretical spreading rate (m <sup>2</sup> /l)	3	0,4

### Comments

Film thickness will vary and are calculated as an average. Spreading rates depend on type of texture, surface porosity, imperfections, temperature, wastage during application etc.

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### Physical properties

Colour	Refer to the Jotashield Exterior Colour fan.
Solids (vol %)*	42 ± 2
Gloss	Semigloss
Water resistance	Very good
Flexibility	Very good

\*Theoretically calculated

VOC: 34 gms/lit (theoretical) when measured as per ISO EU.

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## Surface preparation

The substrate must be sound, clean, dry, free from dust, oil, grease and laitance etc. All traces of release agents must be removed. On chalky and dusty surfaces, all loose material must be removed by stiff bristle brushing.

### Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

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## Condition during application

The temperature of the substrate should be min. 10°C and min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

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## Application methods

<b>Spray</b>	Airless spray, Conventional spray or Hopper Gun.
<b>Brush</b>	Recommended.
<b>Roller</b>	Use of a foam roller will provide the best finish results.

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## Application data

<b>Thinner/Cleaner</b>	Water
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	20 mpa. (200 kg./cm <sup>2</sup> , 2800 psi.)
<b>Nozzle tip</b>	(0.021" – 0.031") (0.53 mm – 0.79 mm).
<b>Spray angle</b>	40° - 80°
<b>Filter</b>	Check to ensure that filters are clean.

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## Drying time

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
- \* Relative humidity 70%

<b>Substrate temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	120 min	60 min	45 min
<b>Through dry</b>	48 h	24 h	12 h
<b>Dry to recoat, minimum <sup>1</sup></b>	10 h	5 h	3 h
<b>Dry to recoat, maximum <sup>2,3</sup></b>			

1. Recommended data given 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 – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on 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.

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## Typical paint system

### On porous and chalky surfaces :

Penetrating Sealer	1 coat
Jotashield Penetrating Primer	1 coat
<b>Jotashield Tex Ultra</b>	<b>2 coats</b>

### On new surfaces and old, sound paint surfaces:

Jotashield Penetrating Primer	1 coat
<b>Jotashield Tex Ultra</b>	<b>2 coats</b>

### On new concrete, as a concrete protection system:

Jotun Siloxane Acrylic Primer	1 coat
<b>Jotashield Tex Ultra (Undiluted)</b>	<b>2 coats</b>

**If any Block filler is used to rectify imperfections on the substrate, proper sanding followed by a full undiluted coat of Penetrating Sealer must be used before applying any Jotashield Topcoats.**

Other systems may be specified, depending on area of use

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## Test Certificates

**Determination of Crack Bridging Ability** - Performed by Taywood Engineering, UK.

**Determination of Moisture Vapour Transmission Rate** - Performed by Taywood Engineering, UK.

**Determination of Carbon Dioxide Diffusion Resistance** - Performed by Taywood Engineering, UK.

**Determination of Liquid Water Transmission Rate** - Performed by Taywood Engineering, UK.

**Determination of Chloride Ion Diffusion Resistance** - Performed by Taywood Engineering, UK.

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## Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

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## Handling

Handle with care. Stir well before use.

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## Packing size

4 litre container and 18 litre container.

Packing may vary from country to country according to local requirements.

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## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

**For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.**

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### DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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