

# Technical Data

## Jotashield Topcoat Silk AA



### Product description

Jotashield Topcoat Silk AA is a 100% pure acrylic based paint specially formulated to withstand the harsh climate. The special acrylic binder gives a durable and long lasting silk finish with low dirt pickup. Jotashield's special formulation will also protect against concrete carbonation. It is ideal for decorating and protecting exterior surfaces and specially suited as a maintenance product. It has fungus and Algae resistance.

### Recommended use

For use on most exterior surfaces onto concrete and cement plaster. Can also be used as topcoat on other emulsion based paints and as a topcoat for textured systems.

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	25	35	30
Film thickness, wet (µm)	65	92	80
Theoretical spreading rate (m <sup>2</sup> /l)	15	10,8	12,6

### Physical properties

Colour	Refer to the Jotashield Exterior Colour fan.
Solids (vol %)*	38 ± 2

\*Theoretically calculated

VOC: 8 - 15 gms/lit (theoretical) when measured as per ISO EU.

### 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.

## Condition during application

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The moisture content in the concrete should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

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## Application methods

<b>Spray</b>	Use airless spray or conventional spray
<b>Brush</b>	Recommended.
<b>Roller</b>	Recommended

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## Application data

<b>Mixing ratio (volume)</b>	Single pack.
<b>Thinner/Cleaner</b>	Water
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	140 - 190 kg./cm <sup>2</sup> (2100 p.s.i.)
<b>Nozzle tip</b>	0.021" - 0.027"
<b>Spray angle</b>	65° - 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>	12 h	6 h	2 h
<b>Through dry</b>	16 h	8 h	4 h
<b>Dry to recoat, minimum <sup>1</sup></b>	12 h	6 h	2 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

Jotashield Penetrating or Alkali Resistant Primer	1 coat
Jotashield Topcoat Silk AA	2 coats

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 Moisture Vapour Transmission Rate** - Performed by Taywood Engineering, UK.  
**Determination of Carbon Dioxide Diffusion Resistance** - Performed by Taywood Engineering, UK.  
**Determination of Water Absorption** - Performed by Taywood Engineering, UK.  
**Determination of Tensile Strength** - Performed by Al Futtaim Tarmac Lab, U.A.E.  
**Determination of Elongation at Break** - Performed by Al Futtaim Tarmac Lab, U.A.E.

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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

1, 4 and 20 litres.

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## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. 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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