

# Technical Data

## Tankguard Special Topcoat



### Product description

Tankguard Special Topcoat is a two-component phenolic epoxy coating with high resistance to a wide range of chemicals and solvents.

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### Recommended use

Interior of tanks. Tankguard Special Topcoat is the final coat in the Tankguard Special coating system. A separate resistance list is available.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	80	150	100
Film thickness, wet ( $\mu\text{m}$ )	125	240	160
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	7,9	4,2	6,3

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### Physical properties

Colour	Grey
Solids (vol %)*	63 $\pm$ 2
Flash point	25°C $\pm$ 2 (Setaflash)
VOC	240 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Water resistance	Very good
Solvent resistance	Excellent
Chemical resistance	Excellent
Flexibility	Fair

\*Measured according to ISO 3233:1998 (E)

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### Surface preparation

Clean and dry surface. Surface contamination is to be removed by detergents and fresh water cleaning.

## 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 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. Good ventilation is required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until cured.

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## Application methods

<b>Spray</b>	Use airless spray
<b>Brush</b>	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

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## Application data

<b>Mixing ratio (volume)</b>	3,7 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent)
<b>Induction time</b>	20 minutes.
<b>Pot life (23°C)</b>	3 hours (Reduced at higher temp.)
<b>Thinner/Cleaner</b>	Jotun Thinner No. 23
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa (150 kp/cm <sup>2</sup> , 2100 psi)
<b>Nozzle tip</b>	0.46-0.69 mm (0.018-0.027")
<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

<b>Substrate temperature</b>	<b>10°C</b>	<b>15°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	16 h	10 h	5,5 h	2 h
<b>Through dry</b>	36 h	16 h	8,5 h	4 h
<b>Cured</b>	- d	14 d	7 d	3 d
<b>Dry to recoat, minimum <sup>2</sup></b>	52 h	36 h	20 h	10 h
<b>Dry to recoat, maximum <sup>1</sup></b>	18 d	12 d	7 d	4 d

1. The surface should be free from chalking and contamination prior to application. If the maximum dry to recoat time is exceeded, please contact Jotun for advice.

2. In order to achieve full product resistance, a combined total of 14 days curing at minimum 15°C is required during build period.

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

Tankguard Special Primer	100 µm	(Dry Film Thickness)
Tankguard Special Mid-Coat	100 µm	(Dry Film Thickness)
<b>Tankguard Special Topcoat</b>	<b>100 µm</b>	<b>(Dry Film Thickness)</b>

For touch up, stripe coating and minor repair work, Tankguard TU can be used.

**Other systems may be specified, depending on area of use**

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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

20 litre unit: 14.7 litres Comp. A (base) in a 20 litre container and 4 litres Comp. B (curing agent) in a 5 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. 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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