

# Technical Data

## Safeguard Plus



### Product description

Safeguard Plus is a two-pack corrosion preventing epoxy vinyl-based coating designed as part of the anticorrosive system to optimize adhesion to the antifouling paint.

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### Recommended use

Safeguard Plus offers very good adhesion for antifouling paint when applied under correct conditions.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	75	150	100
Film thickness, wet (µm)	135	265	180
Theoretical spreading rate (m <sup>2</sup> /l)	7,5	3,7	5,6

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### Physical properties

Colour	Yellow, Grey
Solids (vol %)*	56 ± 2
Flash point	24°C ± 2 (Setaflash)
VOC	365 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Flat
Water resistance	Excellent
Abrasion resistance	Good
Solvent resistance	Good
Chemical resistance	Good
Flexibility	Good

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

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### Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

#### Coated surfaces

Clean, dry and undamaged compatible primer. Please contact your local Jotun office for more information.

#### 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 -5°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>	5:1
<b>Mixing</b>	5 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent).
<b>Pot life (23°C)</b>	2 hours (Reduced at higher temp.)
<b>Thinner/Cleaner</b>	Jotun Thinner No. 17
<b>Guiding data airless spray</b>	
<b>Nozzle tip</b>	0.48-0.78 mm (0.019-0.031")
<b>Spray angle</b>	60-80°
<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>-5°C</b>	<b>0°C</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	12 h	8 h	3 h	1 h	0,5 h
<b>Through dry</b>	36 h	20 h	10 h	6 h	3 h
<b>Cured</b>	-	14 d	5 d	3 d	2 d
<b>Dry to recoat, minimum</b>	24 h	18 h	8 h	5 h	2 h
<b>Dry to recoat, maximum <sup>1 &amp; 2</sup></b>	10 d	8 d	7 d	5 d	3 d

- 1 Recommended data given for recoating with antifouling. For recoating with other types of paint, please contact your local Jotun office for more information.
- 2 The surface should be free from chalking and contamination prior to application. At interior exposure note that best intercoat adhesion occurs when the subsequent coat is applied before the preceding coat is cured. At exterior exposure, the chalking effect especially from the sunlight limits the maximum dry to recoat time.

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

Jotacote Universal	1 x 200µm	(Dry Film Thickness)
<b>Safeguard Plus</b>	<b>1 x 100µm</b>	<b>(Dry Film Thickness)</b>
Antifouling as required.		

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

China

15 litres Comp. A (base) in a 20 litres container and 3 litres Comp. B (curing agent) in a 3 litres container

Republic of Korea:

12,5 litres Comp. A (base) in a 18 litres container and 2,5 litres Comp. B (curing agent) in a 3 litres container.

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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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.*

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