

# Technical Data

## Vinyguard Silvergrey 88



### Product description

Vinyguard Silvergrey 88 is a quick drying, modified vinyl primer.

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### Recommended use

As a tie coat or as a sealer for an antifouling system to be compliant with IMO Anti-fouling System Convention (AFS/CONF/26). Can also be used as a primer/touch-up primer under alkyd and acrylic coatings for steel structures.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	35	100	80
Film thickness, wet ( $\mu\text{m}$ )	95	260	210
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	10,9	3,8	4,8

### Comments

When used as a sealer coat in  $35\mu\text{m}$  dry film thickness, 5-10% additional thinning may be necessary.

Hong Kong rules: Category of paints - Antifouling sealer coatings; VOC 540 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.14;

Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

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### Physical properties

Colour	Aluminium, Aluminium Red toned
Solids (vol %)*	$38 \pm 2$
Flash point	$28^\circ\text{C} \pm 2$ (Setaflash)
VOC	530 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Flat
Water resistance	Very good
Abrasion resistance	Good
Solvent resistance	Limited
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.

### Bare steel

Cleanliness: Blast-cleaning to Sa 2½ (ISO-8501-1:2007). Power tool cleaning to min. St 2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions.

### Shopprimed steel

Clean, dry and undamaged approved shopprimer.

### Coated surfaces

Clean, dry and undamaged compatible primer. 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 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure correct drying.

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## Application methods

<b>Spray</b>	Use airless spray or conventional spray
<b>Brush</b>	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
<b>Roller</b>	May be used for small areas but not recommended for first primer coat, however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

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## Application data

<b>Mixing ratio (volume)</b>	Single pack.
<b>Thinner/Cleaner</b>	Jotun Thinner No. 7
<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

Substrate temperature	5°C	10°C	23°C	40°C
Surface dry	30 min	20 min	15 min	10 min
Through dry	4 h	3 h	2 h	1.5 h
Dry to recoat, minimum <sup>1</sup>	4 h	3 h	2 h	2 h
Dry to recoat, maximum <sup>2</sup>				

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

Below water:

**Vinyguard Silvergrey 88** 3 x 80 µm (Dry Film Thickness)

Above water:

**Vinyguard Silvergrey 88** 2 x 80 µm (Dry Film Thickness)

Pioneer Topcoat 1 x 50 µm (Dry Film Thickness) alternatively

Pilot II 1 x 40 µm (Dry Film Thickness)

Antifouling systems:

See recommendations in the antifouling technical data sheets.

**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 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 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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