

Technical Data

SeaMate



Product description

Antifouling SeaMate is a high solids self-polishing antifouling, based on silyl acrylate binder technology. This binder hydrolyses in seawater to ensure linear polishing rate and result in the continuous exposure of fresh antifouling. IMO Anti-fouling System Convention compliant (AFS/CONF/26).

Recommended use

As an antifouling for newbuildings and major refurbishment, for side and flatbottom areas on vessels operating between 12 and 26 knots with drydocking intervals up to 60 months.

Film thickness and spreading rate

| | Minimum | Maximum |
|------------------------------------------------------|---------|---------|
| Film thickness, dry (μm) | 75 | 175 |
| Film thickness, wet (μm) | 135 | 320 |
| Theoretical spreading rate (m^2/l) | 7 | 3,14 |

Physical properties

| | |
|-----------------|---------------------------------------------------------------------------------------|
| Colour | Dark Red & Light Red |
| Solids (vol %)* | 55 \pm 2 |
| Flash point | 25°C \pm 2 (Setaflash) |
| VOC | 3,35 lbs/gal (401 gms/ltr) USA-EPA Method 24 401 gms/ltr UK-PG6/23(97). Appendix 3 |

*Measured according to ISO 3233:1998 (E)

Surface preparation

Coated surfaces

Prior to paint application, all surfaces should be clean, dry and free from contamination. Remove surface contamination by high pressure fresh water cleaning. To be applied on a clean, dry approved primer/undercoat or intact self-polishing antifouling.

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 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.

Application methods

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spray | Use airless spray |
| Brush | May be used but care must be taken to achieve the specified dry film thickness. |
| Roller | May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness. |

Application data

| | |
|-----------------------------------|----------------------------------------------|
| Mixing ratio (volume) | Single pack. |
| Thinner/Cleaner | Jotun Thinner No. 7 |
| Guiding data airless spray | |
| Pressure at nozzle | 15 MPa (150 kp/cm ² , 2100 psi.). |
| Nozzle tip | 0.53 - 0.78 mm (0.021 - 0.031"). |
| Spray angle | 65 - 80° |
| Filter | Check to ensure that filters are clean. |

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 | 60 min | 60 min | 30 min | 30 min |
| Through dry | 8 h | 6 h | 4 h | 3 h |
| Dry for launching ¹ | 12-24 h | 12-22 h | 10-20 h | 8-16 h |
| Dry to recoat, minimum ² | 12 h | 9 h | 7 h | 6 h |

1. The interval indicates the time which normally occurs in a drydocking situation where the drying time depends on the total film thickness of primer/antifouling applied. The drying time will increase with increasing film thickness.
1. The substrate 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.

Recommended type of primer:

Anticorrosive primer system suitable for purpose with Safeguard Universal ES, Safeguard Plus or Vinyguard SG 88 as a sealer coat/tie-coat.

Other systems may be specified, depending on area of use

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.

Handling

Handle with care. Stir well before use.

Packing size

20 litre container.

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.

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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