

Technical Data

SeaConomy 900



Product description

SeaConomy 900 is a high solids, hydrolysing self-polishing antifouling. IMO Anti-fouling System Convention compliant (AFS/CONF/26).

Recommended use

To be used on vessels operating in global service with drydocking intervals up to 60 months.

Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry (μm)	75	175
Film thickness, wet (μm)	120	275
Theoretical spreading rate (m^2/l)	8,4	3,3

Physical properties

Colour	Brown, Red Brown
Solids (vol %)*	63 \pm 2
Flash point	27°C \pm 2 (Setaflash)
VOC	2,97 lbs/gal (355 gms/ltr) USA-EPA Method 24 320 gms/ltr UK-PG6/23(97). Appendix 3

*Measured according to ISO 3233:1998 (E)

Hong Kong rules:

Category of paints - Antifouling coatings; VOC 355 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.66 gms/ltr; Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

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 coating could be applied down to -15°C surface temperature. 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 required in confined areas to ensure proper drying and curing. The coating should not be exposed to oil, chemicals or mechanical stress until it is thoroughly dried. During application and the initial drying of the coating, the coating should not be exposed to high humidity as this can result in loss of gloss and discolouration.

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/cm², 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	-10°C	0°C	10°C	23°C	40°C
Surface dry	5 h	2 h	45 min	30 min	30 min
Through dry	24 h	12 h	6 h	4 h	3 h
Dry for launching ¹	48 h	36 h	12-22 h	10-20 h	8-16 h
Dry to recoat, minimum ²	48 h	36 h	9 h	7 h	6 h

Dry for launching ¹

Dry to recoat, minimum ²

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 or Safeguard Plus as a sealer coat/tie-coat.

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

Storage

Storage conditions are to keep the container in a dry, cool well ventilated space and away from source of heat and ignition and in accordance to national regulations. Containers must be kept tightly closed and kept away from freezing. Shelf life is minimum 12 months at 23°C. Subject to re-inspection thereafter. Storage at elevated temperatures will reduce product shelf life significantly.

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 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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