Technical Data
SeaForce 60

Product description
SeaForce 60 is a TBT-free high solids self-polishing antifouling based on Polymeric Plasticizer Technology (patented) designed to last up to 60 months (consult your Jotun sales representative). The performance of SeaForce 60 is achieved by a combination of unique synthetic polymers designed to impart features not found in the traditional hydrating/CDP/Hybrid range of 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 36 months on the vertical side and up to 60 months on the flatbottom when good fouling protection/performance is important. Can also be specified for 60 months on boottop on vessels that spend a significant time in ballast condition.

Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry (µm)	75	175
Film thickness, wet (µm)	130	300
Theoretical spreading rate (m²/l)	7,7	3,3

Comments
Hong Kong rules: Category of paints - Antifouling coatings; VOC 400 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.72;
Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

Physical properties

Colour	Dark Red & Light Red
Solids (vol %)*	58 ± 2
Flash point	28ºC ± 2 (Setaflash)
VOC	3,34 lbs/gal (400 gms/ltr) USA-EPA Method 24 370 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 3ºC 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/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	**5°C**	**10°C**	**23°C**	**40°C**
Surface dry	60 min	60 min	30 min	30 min
Through dry	9 h	7 h	5 h	4 h
Dry for launching [1]	12-24 h	12-22 h	10-20 h	8-16 h
Dry to recoat, minimum [2]	13 h	10 h	8 h	7 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 or Safeguard Plus 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. Shelf life at 23°C: 18 months for standard colour(s) and 6 months for other colour(s), if available. Thereafter the paint quality is subject to re-inspection.

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.

ISSUED 2 APRIL 2010 BY JOTUN
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