

SeaRenew

Product description

This is a patented cleaning solution designed to remove discoloration visible upon extended outfitting periods in connection with new building projects. It is thoroughly tested and evaluated with Jotun's antifouling coatings.

Discoloration of antifouling may occur during the construction of a new vessel. For cosmetic reasons, discoloration may need removal prior to naming ceremony (varies with yards and owners)
SeaRenew cleaning solution is developed to remove discoloration from Jotun's SeaQuantum /SeaMate antifouling coatings, caused by the natural degradation of polymers and formation of copper salts.

Note: Certain factors can cause different types of discolouration of the antifouling. The use of SeaRenew should be approved by Jotun.

Scope

The Application Guide offers product details and recommended practices for the use of the product.

The data and information provided are not definite requirements. They are guidelines to assist with efficient and safe use, and optimum service of the product. Adherence to the guidelines does not relieve the applicator of responsibility for ensuring that the work meets specification requirements.
Jotun's liability is in accordance with general product liability rules.

The Application Guide (AG) must be read in conjunction with the relevant specification, Technical Data Sheet (TDS) and Safety Data Sheet (SDS) for all the products used as part of the coating system.

Referred standards

Reference is generally made to ISO Standards. When using standards from other regions it is recommended to reference only one corresponding standard for the substrate being treated.

Application

The cleaning solution works through a dual action principle by dissolving formed copper salts, making them water soluble and by selectively removing polymer degraded by UV light at the very surface of the coating. To obtain best results SeaRenew is applied thoroughly on the discolored side bottom and washed down with freshwater before the cleaning solution has evaporated and the surface remains wet. Temperature of air and substrate must be above 0 °C during painting.

Product mixing

Product mixing

Single pack

Add one liter of SeaRenew to an empty 20 liter plastic bucket. Add 19 liter of fresh water and stir manually until a homogeneous solution has been obtained.

Thinner/Cleaning solvent

Thinner: Fresh water

Application data

Spray application

When using standard airless spray equipment for application, air pressure is adjusted to obtain good spray pattern.

Ensure the equipment is clean, free from solvents and is ready for use with fresh water.

It is recommended to remove filters from the spray pump.

The spray tip should be removed from the spray gun, otherwise the solution will come as aerosol and not hit the intended surface. It is important to spray a small area and to work methodically.

High pressure and fine atomization of the solution is not required. The surface should be thoroughly soaked and running down the hull.

Thoroughly cleaning of the spray equipment with fresh water is important after finishing using SeaRenew solution.

Alternative equipment for applying the cleaning solution can be used provided a good spray pattern is achieved and optimal amount of cleaning solution is used.

Other conditions that can affect drying / curing / over coating

Fresh water rinsing

- High pressure washing with fresh water 3-5 minutes after application of the solution
- Dissolved copper salts can be seen as green coloured spots/areas. It is important to use enough water to wash away the dissolved salts from the hull
- Water flow needs to be high enough to reach the top side for efficient washing down the hull
- Dissolved salts not washed away properly will form black discolouration and will require more work to remove
- Carry out cleaning/washing when the surface to be cleaned is not exposed to direct sunlight. High substrate temperature may accelerate the drying of the solution

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

For further advice please contact your local Jotun office.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray 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.

Accuracy of information

Always refer to and use the current (last issued) version of the TDS, SDS and if available, the AG for this product. Always refer to and use the current (last issued) version of all International and Local Authority Standards referred to in the TDS, AG & SDS for this product.

Colour variation

Some coatings used as the final coat may fade and chalk in time when exposed to sunlight and weathering effects. Coatings designed for high temperature service can undergo colour changes without affecting performance. Some slight colour variation can occur from batch to batch. When long term colour and gloss retention is required, please seek advice from your local Jotun office for assistance in selection of the most suitable top coat for the exposure conditions and durability requirements.

Reference to related documents

The Application Guide (AG) must be read in conjunction with the relevant specification, Technical Data Sheet (TDS) and Safety Data Sheet (SDS) for all the products used as part of the coating system.

When applicable, refer to the separate application procedure for Jotun products that are approved to classification societies such as PSPC, IMO etc.

Symbols and abbreviations

min = minutes

h = hours

d = days

°C = degree Celsius

° = unit of angle

µm = microns = micrometres

g/l = grams per litre

g/kg = grams per kilogram

m²/l = square metres per litre

mg/m² = milligrams per square metre

psi = unit of pressure, pounds/inch²

Bar = unit of pressure

RH = Relative humidity (% RH)

UV = Ultraviolet

DFT = dry film thickness

WFT = wet film thickness

TDS = Technical Data Sheet

AG = Application Guide

SDS = Safety Data Sheet

VOC = Volatile Organic Compound

MCI = Jotun Multi Colour Industry (tinted colour)

RAQ = Required air quantity

PPE = Personal Protective Equipment

EU = European Union

UK = United Kingdom

EPA = Environmental Protection Agency

ISO = International Standards Organisation

ASTM = American Society of Testing and Materials

AS/NZS = Australian/New Zealand Standards

NACE = National Association of Corrosion Engineers

SSPC = The Society for Protective Coatings

PSPC = Performance Standard for Protective Coatings

IMO = International Maritime Organization

ASFP = Association for Specialist Fire Protection

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.