



W-ECOLOFLEX SPC 600 HyB

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| PRODUCT DESCRIPTION: | Self-polishing hydrolytic antifouling copper silyl acrylate copolymer-based coating, developed with technology patented by Nippon Paint Co. Ltd. This product is tin free and complies with the International Convention for the Control of Harmful Antifouling Systems on Ships as adopted by IMO in October 2001 (IMO document AFS/CONF/26). Produced by Paumar S / A Ind. And Com. in association with Nippon Paint Marine Co. Ltdx LOCAL BRAND OF JAPAN: W-ECOLOFLEX SPC 600 HyB |
| RECOMMENDED USES: | Product specially developed for coastal vessels with low to medium speed. The ECOLOFLEX SPC series ensures long and excellent antifouling performance. |
| CERTIFICATIONS AND APPROVAL: | This product contains no organ-active components with tin, which act as biocides, therefore it complies with the International Convention on the Control of Noxious Antifouling Systems on Ships, as per IMO dated October 2001 (IMO Document AFS / CONF / 26). This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description. |

| PACKAGING: | Component | Content | Package | Unit of measurement |
|------------|---------------|-----------|-----------|---------------------|
| | Monocomponent | 20 3,6 | 20 3,6 | L |

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| CHARACTERISTICS: | Color: | Red | | |
| | Gloss: | Semigloss | | |
| | Volume solid: | 54 ± 2% (ISO 3233). | | |
| | Shelf-Life: | 06 months at 25°C (77°F) | | |
| | Thickness per coat (dry): | 80 µm – 150 µm | | |
| | Theoretical coverage: | 5,4 m ² /l without dilution in the thickness of 100 µm dry. Without considering loss factors in application. | | |
| | Drying: | | | |
| | | 5°C (41°F) | 20°C (68°F) | 30°C (86°F) |
| | Touch: | 1 hour | 40 minutes | 30 minutes |
| | Before flooding: | 18 hours | 12 hours | 10 hours |
| | Overcoating Drying: | | | |
| | | 5°C (41°F) | 20°C (68°F) | 30°C (86°F) |
| | Min | 6 hours | 4 hours | 3 hours |
| | Max | - | - | - |

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| SURFACE PREPARATION | The performance of this product depends on the degree of surface preparation. The accumulated dirt must be removed using a dry brush, clean and dry cloth, compressed air blow, vacuum cleaner and/or with the combination of such items, and the soluble salts must be removed through wash with a great quantity of fresh water, preferably with low pressure (up to 5,000 psi) according to SSPC-SP 12/NACE No. 5. New buildings The product must be directly applied to a specific primer in order to form a suitable coating system. Maintenance and repair The product should not be directly applied to other TBT-free antifouling from Weg or another manufacturer without prior consultation with Weg. Any application without consultation is not authorized. NOTE: Observe the product overcoating interval to apply the next coat. In case the maximum overcoating interval has been exceeded, it is necessary to manually/mechanically sand the surface to break the gloss |
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of the previous coat and clean the sanding residues so as to provide better adhesion between the coats.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Homogenize the contents of the package by means of mechanical or pneumatic agitation. Ensure that no sediment is settled at the bottom of the package.

Diluent Antifouling diluent

Dilution

Depending on the application method, dilute at most. 10%

Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.

Excessive dilution of the coating may affect the formation and aspect of the film and not allow to reach the specified thickness.

Pot life of the mixture (25°C) (77°F)

Not relevant

APPLICATION FORMS

The data below is a guide, and similar equipment may be used.

Changes in nozzle sizes and pressures may be necessary to improve spraying characteristics. Before application, check if the equipment and its components are clean and in best condition. Purge the compressed air line to prevent contamination of the coating.

After mixing two-component products, if there are stops in the application, and pot life is exceeded (the coating shows variation in fluidity) it can no longer be diluted for further application.

Recoat all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.

Airless Gun:

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| Use Airless: | Use at least pump 60: 1 |
| Fluid pressure: | 2000 - 2500 psi |
| Hose: | 3/8" internal diameter |

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| Nozzle: | 0,021" - 0,027" |
| Dilution: | Max. 10% |

Brush:

Only recommended for touch up small areas or stripe coat (screws, nuts, weld and sharp edges). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch up.

Roller:

Only recommended for small areas or retouching. Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings. For application with brush and/or roller, two or more passes may be necessary to obtain a uniform layer according to the recommended film thickness per coat.

Cleaning the equipment:

Antifouling diluent

NOTE:

Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

PERFORMANCE IN THE APPLICATION

For a good performance of the product, we recommend following the directions below:

In paintings carried out in front of the sea, if exposed to sea air, we recommend to wash with fresh water between coats eliminating settled impurities.

We recommend coating only if the measured surface temperature is at least 3 °C (37,4°F) above the dew point temperature. Do not apply at steel temperatures below 10 °C (50°F).

Variations in color, aspect and gloss (more noticeable in dark colors) may occur, as well as delay in curing and low coating performance, when applied during periods of high air relative humidity, rainy days, low temperatures or drying the coating outdoor.

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the coat may interfere in the product drying time.

For better application properties, the coating temperature should be between 21 - 27 °C prior to the mixing and application.

It should not be applied under adverse conditions, such as air relative humidity (RH) above 85%, as changes in color and appearance may occur.

In coatings with variation in application method in the same job, the final aspect and gloss of the painted surfaces may show differences.

The surface must always be coated with suitable primer and/or sealant. Consult WEG for the best primer or sealant for the application.

The product should be applied within the overcoating interval as specified in the data sheet.

WELD: In case of welding or cutting operations on the painted metal, the emission of fumes and gases will occur, which will make necessary the use of appropriate PPE and adequate ventilation and exhaust systems.

PERIODS WITHOUT APPLICATION: Thoroughly wash all the material and equipment with the recommended diluent. Keep all unused coating in tightly sealed containers. All material stored in partially filled containers may present skin or some kind of change, such as higher viscosity after long periods of storage. For those cases, we recommend filtering the product before application.

Limitations:

The performance of the product depends on the reaching of the specified dry film thickness, and it may vary depending on the type of water it will sail and also the daily operation hours of the vessel. The wear rate depends on the temperature of the water, vessel speed, operation regions, among other factors.

The time before flooding is related to the environmental conditions, ventilation, dry film thickness and number of coats, which will be affected accordingly.

The results of the performance tests were obtained in the laboratory under controlled conditions and WEG does not guarantee that the results of the tests mentioned in this document, or any other tests, represent exactly the results of all environments found in the field such as overly polluted waters, rivers and others. Since environmental factors may present significant variations, care should be taken in the selection, assessment of the desired performance and use of this coating.

Increased viscosity of this material may occur during the storage period, being a normal feature of this product.

For further information, consult WEG Technical Department.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals.

Please read carefully all the information contained in the MSDS of this product, available at: www.weg.net.

Store in a covered, well-ventilated area. Keep the container tightly closed and away from sources of heat or ignition.

Use only in well-ventilated areas avoiding the accumulation of flammable vapors. Keep the product away from heat and sources of ignition.

Do not inhale mists / vapors / aerosols generated during handling and / or application.

Wear protective gloves / protective clothing / eye protection / face protection.

Avoid release this product and its packaging, as well as materials used during handling and application in the environment.

NOTE:

The information provided in this document is based on our tests and experiences and is intended to inform you about the product and its possibilities of application.

The information provided in this data sheet is not intended to be complete, and the user shall take the risk in case of using the product for another purpose than the specifications recommended in this data sheet without first obtaining our written confirmation as to its suitability for the intended purpose. While we strive to ensure the accuracy of the information provided in this document, we cannot control the quality or condition of the substrate as well as all other factors that affect the use and application of this coating. Therefore, unless we agree in writing with any divergent conditions from our recommendations, we shall not take any liabilities that may arise from the performance of this product. The information contained in this data sheet is subject to change without prior notice, based on our experience and policy of continuous development.



If using the product without previous inquiry to WEG Coating concerning its suitability for the customer's intended purpose, the customer is aware that the use shall be its exclusive responsibility, WEG not being responsible for behavior, safety, suitability or durability of the product.

The information contained in this technical datasheet is subject to periodic modification, without prior notice, due to the policy of evolution and continuous improvement of our products and services, providing solutions with quality to satisfy our customers' requirements.

