



**W-ECOLOFLEX SPC 600 HYB**

**PRODUCT DESCRIPTION**

Hydrolytic self-polishing antifouling paint based on copper sili acrylate copolymer, developed with patented technology by Nippon Paint Co. Ltd. This product does not contain tin-based biocides in its formulation and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships, adopted by the IMO in October 2001 (IMO AFS/CONF/26 document). Produced by Paumar S/A Ind. and Com. in association with Nippon Paint Marine Co. Ltd. Local brand in Japan: W-ECOLOFLEX SPC 600 HyB.

**RECOMMENDED USE**

Product specially developed for coastal vessels with low to medium speed. The ECOLOFLEX SPC series ensures long-lasting and excellent antifouling performance.

**CERTIFICATIONS AND APPROVALS**

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

This product contains no organotin active components acting as biocides, therefore complies with the International Convention on the Control of Harmful Antifouling Systems on Ships, as adopted by the IMO in October 2001 (Document IMO AFS/CONF/26).

**PACKAGING**

**Single Component** 3.6L Package containing 3.6L  
20L Package containing 20L

**CHARACTERISTICS**

<b>Color</b>	Red.
<b>Gloss</b>	Semi-Gloss
<b>VOC content</b>	783.82 g/l
<b>Volume Solids</b>	54 ± 2% (ISO 3233)
<b>Shelf Life</b>	12 months
<b>Dry Film Thickness</b>	80 µm - 150 µm
<b>Theoretical Coverage</b>	4,70 m <sup>2</sup> /l without dilution at a dry film thickness of 115 µm. Loss factors during application are not considered.

**DRYING**

**Drying**

	5 °C	20 °C	30 °C
<b>Toque</b>	3 hours	1 hour	40 min
<b>Antes do alagamento</b>	18 hours	12 hours	10 hours

**Recoat Drying**

	5 °C	20 °C	30 °C
<b>Minima</b>	6 hours	4 hours	3 hours
<b>Maxima</b>	-	-	-

**SURFACE PREPARATION**

**Standard Surface Preparation**

The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department.

Remove accumulated dirt using a dry brush, clean dry cloth, compressed air blow, vacuum, or a combination of these. Remove soluble salts by washing with plenty of fresh water, preferably under low pressure (up to 5,000 psi), according to SSPC-SP12/NACE No. 5 standard.

**Maintenance and Repair**

The product should not be directly applied to other TBT-free antifoulings, whether from WEG or other manufacturers, without prior consultation with WEG. Any application without consultation is not authorized.



NOTE: Respect the recoating interval for subsequent coat application. If exceeded, perform light manual/mechanical sanding to break the previous coat gloss, followed by dust and residue cleaning to ensure better adhesion between paint layers.

**New Constructions**

The PRODUCT must be directly applied to a specific primer in order to form a suitable coating system.

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**APPLICATION PREPARATION**

<b>Mixing</b>	Homogenize the content of the container using mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
<b>Thinner</b>	ANTIFOULING DILUENT
<b>Dilution</b>	Depending on the application method, dilute to a maximum of 10%.
<b>Notes</b>	The amount of Diluent may vary depending on the type of equipment used and environmental conditions during application. Only add Diluent after complete mixing of the other components. Do not dilute with solvents not allowed by local legislation, and do not exceed the indicated dilution percentage. Excessive dilution may affect film formation, appearance, and make it difficult to achieve the specified thickness.
<b>Pot Life</b>	Not relevant.

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**APPLICATION METHODS**

<b>Airless Spray Gun</b>	Airless: Use minimum pump 60:1 Fluid pressure: 2000 - 2500 psi Hose: 3/8" inner diameter Nozzle: 0.021" - 0.027".
<b>Roller</b>	Use a short-haired, seamless wool or synthetic roller for epoxy paints. Recommended only for small areas or touch-ups. Use a low-pile seamless wool roller or synthetic roller for epoxy paints. For application with brush and/or roller, it may be necessary to apply two or more coats to achieve a uniform layer and the recommended film thickness.
<b>Brush</b>	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).
<b>Cleaning of the equipments:</b>	ANTIFOULING DILUENT
<b>Notes</b>	The data presented serves as a guide and similar equipment may be used. Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination. Before application, ensure that the equipment and respective components are clean and in optimal condition. After mixing two-component products, if there are application stops and the pot life has been exceeded (paint shows variation in flow), it can no longer be re-thinned for later application. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.

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**APPLICATION PERFORMANCE**

An increase in viscosity of this material may occur during storage, being a normal characteristic of the product.

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh



water between coats to remove deposited impurities.

For optimal application properties, the paint temperature should be between 21°C and 27°C before mixing and application.

Painting is recommended only if surface temperature is at least 3°C above the dew point.

Substrate temperature, climatic and environmental conditions during application and curing, as well as applied film thickness, may affect drying time.

Do not apply under adverse conditions, such as RH above 85%, as gloss and color may slightly change. Do not apply on condensed surfaces.

**PERIODS WITHOUT APPLICATION:**

Thoroughly wash all material and equipment with the recommended Diluent. Keep all unused paint stored in well-sealed containers. Material stored in partially filled containers may show skinning or viscosity increase after long periods. In such cases, it is recommended to filter the product before application.

**WELDING:**

In case of welding or cutting operations on coated metal, fumes and gases will be released, requiring the use of appropriate PPE and adequate ventilation and exhaust systems.

**LIMITATIONS:**

Product performance depends on the specified dry film thickness, which may vary according to the type of water and the vessel's daily service time. Wear rate depends on water temperature, vessel speed, operating regions, among other factors. The interval before immersion is related to environmental conditions, ventilation, dry film thickness, and the number of coats applied. Maximum recommended exposure time before immersion: 30 days.

Performance test results were obtained in a laboratory under controlled conditions. WEG does not guarantee that the results exactly represent all field environments, such as highly polluted waters, rivers, etc. Environmental factors may vary significantly; attention is required in paint selection, performance verification, and use.

The surface must always be coated with an appropriate primer and/or sealer. Consult WEG for the best primer or sealer to use.

Paintings performed with varying application methods on the same project may result in differences in gloss and final appearance.

Small variations in color, appearance, and gloss (more noticeable in dark colors), as well as delayed curing and performance compromise, may occur during high humidity, rainy days, cold locations, or when parts dry outdoors.

**SAFETY PRECAUTIONS**

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: [www.weg.net](http://www.weg.net).

Store in a covered and well-ventilated place. 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. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

**NOTE**

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

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