



WEG ECOLOFLEX SPC 250 HYB E

PRODUCT DESCRIPTION

Self-polishing antifouling paint based on copper silyl acrylate copolymer that ensures a long and stable self-cleaning effect, keeping the surface of the coating constantly active when exposed to seawater, resulting in excellent antifouling performance. Developed with technology patented by Nippon Paint Co. Ltd. This product contains no tin-based biocides in its formulation and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships, as adopted by IMO in October 2001 (document IMO AFS/CONF/26). Produced by Paumar S/A Ind. e Com. in association with Nippon Paint Marine Co. Ltd.

RECOMMENDED USE

Product specially developed for ocean-going vessels, with excellent performance for low to medium speed navigation. 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.

PACKAGING

Single Component	0.95 US gal Package containing 0.95 US gal 5.28 US gal Package containing 5.28 US gal
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CHARACTERISTICS

Color	Brown. Black. Red.
Gloss	Semi-Gloss
Volume Solids	52 ± 2% (ISO 3233)
Flash Point	31 °C
Shelf Life	12 months
Dry Film Thickness	3.1 mils - 5.9 mils
Theoretical Coverage	184.2 ft ² /gal without dilution at a dry film thickness of 4.5 mils. Loss factors during application are not considered.
Specific Gravity	Min: 1.47 Max: 1.571 g/cm ³

DRYING

Drying	41 °F 68 °F 86 °F		
	Touch	1 hour	40 min
Manipulation	3 hours	1 hour	40 min
Before the flooding	18 hours	12 hours	10 hours
Recoat Drying	41 °F 68 °F 86 °F		
Minimum	6 hours	4 hours	3 hours
Maximum	-	-	-

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 surface must be clean, dry, and free of contaminants. Completely remove oils using clean cloths soaked in cleaning Diluent according to SSPC SP1. Replace cloths to avoid saturation during cleaning. Do not use rags or colored cloths.

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.

Over Primer

The product must be applied over a specific primer. The primer must be clean, dry, and free of contaminants. The topcoat must be applied within the primer recoat interval. Consult the primer technical bulletin for correct application.

APPLICATION PREPARATION

Mixing	Homogenize the content of the container using mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
Thinner	ANTIFOULING DILUENT
Dilution	Depending on the application method, dilute to a maximum of 5%.
Notes	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.
Pot Life	Not relevant.

APPLICATION METHODS

Airless Spray Gun	Airless: Use minimum pump 60:1 Fluid pressure: 2000 - 2500 psi Hose: 3/8" inner diameter Nozzle: 0.021" - 0.027".
Roller	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.
Brush	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).
Cleaning of the equipments:	ANTIFOULING DILUENT
Notes	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.

APPLICATION PERFORMANCE



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 must be between 69.8°F - 80.6°F before mixing and application.

We recommend painting only if the measured surface temperature is at least 5.4°F above the dew point.

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.

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

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.

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.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.
