TECHNICAL DATA SHEET

W-ECOLOFLEX SPC 200

PRODUCT DESCRIPTION

Tin-free hydrolytic self-polishing antifouling paint based on copper acrylate copolymer, developed with technology patented by Nippon Paint Co. Ltd. Produced by WEG in association with Nippon Paint Co. Ltd.

RECOMMENDED USE

Product specially developed for coastal vessels with high activity and medium speed. The ECOLOFLEX SPC series ensures excellent and long-lasting performance, providing significant fuel savings.

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	0.24 US gal Package containing 0.24 US gal 0.95 US gal Package containing 0.95 US gal 5.28 US gal Package containing 5.28 US gal

CHARACTERISTICS

Color	Brown. Red.
Gloss	Semi-Gloss
VOC content	3.08 lb/gal lb/gal
Volume Solids	44 ± 2% (ISO 3233)
Flash Point	31 °C
Shelf Life	6 months
Dry Film Thickness	2.6 mils - 5.9 mils
Theoretical Coverage	166.7 ft²/gal without dilution at a dry film thickness of 4.3 mils. Loss factors during application are not considered.
Specific Gravity	Min: 1.51 Max: 1.61 g/cm³

DRYING

Drying

	41 °F	68 °F	86 °F
Toque	3 horas	1 hora	40 min
Antes do alagamento	18 horas	12 horas	10 horas

Recoat Drying

	41 °F	68 °F	86 °F
Minima	6 horas	4 horas	3 horas
Maxima	-	-	-

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

Reviewed on January 16th, 2026

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 WEGor other manufacturers, without prior consultation with WEG. Any application without consultation is not authorized.

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

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 - 3000 psi Hose: 3/8" inner diameter Nozzle: 0.019" - 0.023".
Roller	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. In spray application, overlap each gun pass by 50%, finishing with a cross pass. This technique avoids uncovered or unprotected areas and ensures proper aesthetic finish. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Clean all equipment immediately after use. Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment. It is considered good practice to periodically wash the spraying equipment during the day. The cleaning frequency depends on the amount sprayed, temperature, and elapsed time, including all delays.

APPLICATION PERFORMANCE

The product must be applied within the recoat interval specified in the technical data sheet.

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.

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 37,4°F above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

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.

Limitations: product performance depends on the specified dry film thickness, which may vary according to the type of water and the vessel#s daily servicetime. 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.

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.

After 3 months of product application without water immersion, performance may be affected. Recoating information is provided mainly as guidance and is subject to regional climatic variations.

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.

Reviewed on January 16th, 2026