

ECOLOFLEX SPC 250 HyB

PRODUCT DESCRIPTION: Silyl acrylate copper acrylate copolymer paint that ensures a long and stable self-polishing effect which always keeps the coating surface constantly exposed to seawater, resulting in excellent anti-fouling performance. Developed with technology patented by Nippon Paint Co. Ltd.

This product does not have biocides based on tin compounds in its formulation and complies with the International Convention for the Control of Harmful Anti-fouling 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 USES: Product specially developed for oceanic vessels, of excellent performance, for low to medium speed navigation. The ECOLOFLEX SPC series ensures long and excellent antifouling performance.

CERTIFICATIONS AND APPROVAL: 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	3,6 20	3,6 20	L

CHARACTERISTICS:

Color: Red, Black, Brown

Gloss: Semigloss

Volume solid: 52 ± 2% (ISO 3233).

Shelf-Life: 06 months at 25°C

Thickness per coat (dry): 80 µm – 150 µm

Theoretical coverage: 4,5 m²/l without dilution in the thickness of 115 µm dry. Without considering loss factors in application.

Drying:

	5°C	20°C	30°C
Touch:	1 hour	40 minutes	30 minutes
Handling:	3 hours	1 hour	40 minutes
Before flooding:	18 hours	12 hours	10 hours

Overcoating Drying:

	5°C	20°C	30°C
Min	6 hours	4 hours	3 hours
Max	-	-	-

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.

Application over primer

The product can be directly applied to a specific primer in order to form a suitable coating system.

Maintenance and repair

The surface must be clean, dry and free of any contaminants. Completely remove oil from the surface with clean cloths soaked in cleaning solvent according to SSPC SP1. Whenever cleaning a surface with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

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.

PREPARATION FOR APPLICATION

For further information, consult WEG Technical Department.

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. 5%

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)

Not relevant

APPLICATION FORMS

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

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:

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

Nozzle: 0,021" - 0,027"
Dilution: Max. 5%

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 surface temperature is at least 3 °C above the dew point temperature.

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.

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.

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

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

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.

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.

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 contained in this technical datasheet is based upon the experience and knowledge acquired in the field by the technical team of WEG.

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.

Some information contained in this datasheet are estimated, and can undergo variances arising from factors outside the manufacturer's control. Thus, WEG does not guarantee and does not assume any responsibility regarding the yield, performance or any other material or personal damage resulting from the incorrect use of the products concerned or the information contained in this Technical datasheet.

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