



W-NAVIGATE FRA 65

PRODUCT DESCRIPTION

Two-component silicone elastomer-based antifouling paint, biocide-free, with excellent antifouling performance, providing significant fuel reduction. TBT-free.

RECOMMENDED USE

Used for maintenance, repair, and new constructions. Indicated for painting flat and vertical bottoms of small, medium, and large pleasure vessels. Can be applied over antifouling in good condition.

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

Component A	3.6L Package containing 2.88L
Component B	0.9L Package containing 0.72L

CHARACTERISTICS

Color	Blue. White. Black.
Gloss	Gloss
VOC content	344.48 g/l
Volume Solids	88 ± 2% (ISO 3233)
Dry Film Thickness	80 µm - 150 µm
Dry Heat Resistance	Maximum temperature 90 °C. The product maintains its chemical properties up to a temperature of 90 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	7,65 m ² /l without dilution at a dry film thickness of 115 µm. Loss factors during application are not considered.

DRYING

Drying	15 °C 25 °C 35 °C		
	6 hours	3 hours	2 hours
	48 hours	36 hours	24 hours

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.

The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, and fats according to SSPC-SP1.

The product must always be applied over the anticorrosive system recommended by WEG. The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, soluble salts, and other contaminants according to SSPC-SP1 and wash with high-pressure fresh water.

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

Initially remove all dirt and oil from the surface with clean cloths soaked in cleaning Diluent



according to SSPC SP1. Avoid using rags or colored cloths. Repair damaged areas and redo the anticorrosive scheme.

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.

Carbon Steel Surfaces

Recommended primer: WEG TAR FREE PLUS / WEG TAR FREE 712. Recommended sealer: W-POXI HPI 304.

New Constructions

The antifouling paint must be applied over specific primer and sealer, forming an appropriate coating system. The sealer surface must be clean, dry, and free of contaminants, respecting the recoating interval between sealer coats. Consult the sealer 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.
Mixing Ratio	By volume: 3 A x 1 B.
Thinner	ANTIFOULING DILUENT
Alternative Thinners	Dilution is not recommended.
Dilution	Depending on the application method, dilute to a maximum of 10%.
Notes	<p>Dilute according to recommendation.</p> <p>Only add the thinner after the A + B components are completely mixed.</p> <p>Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness.</p> <p>No dilution is required. Product ready to use. If necessary, consult the WEG Technical Department.</p> <p>Product dilution will affect the texture. The more diluted the paint, the lower the texture.</p> <p>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.</p>
Pot Life	<p>4 h</p> <p>The shelf life of the mixture is reduced as the ambient temperature increases.</p> <p>The pot-life test of the mixture is carried out according to ABNT NBR 15742; however, different volumes of paint prepared at once, combined with varying ambient and paint temperatures, will affect the mixture's shelf life, potentially resulting in outcomes different from those stated in this technical bulletin.</p>

APPLICATION METHODS

Airless Spray Gun	<p>Airless: Use minimum pump 60:1</p> <p>Fluid pressure: 2000 - 2500 psi</p> <p>Hose: 3/8" inner diameter</p> <p>Nozzle: 0.021" - 0.027".</p>
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.
 NOTE: At the time of application, the temperature must be at least 5°C. A minimum relative humidity of 30% is required for satisfactory curing. Cure time will be longer if relative humidity is below 30%. Care must be taken to avoid overspray deposition on already painted areas. All equipment must be completely cleaned before use and before using with other materials to avoid contamination. Solvents used for cleaning must not contaminate other paints.

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.

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.

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.

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.

Consult WEG regarding repainting procedures over other antifoulings before starting any painting work.

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

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.

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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