

W-OCEANO NAVY EXP

PRODUCT DESCRIPTION:	Antifouling paint formulated for aluminum vessels, and can also be used in fiber, steel and wood, with excellent performance. Tin-free product, self-polishing based on special copper resins combined with synthesized resins, which provides a reduction in the number of dockings.
RECOMMENDED USES:	Used for maintenance, repairs and in new buildings. Recommended for coating flat and vertical bottom of small, medium and large vessels. Product used for painting fishing boats and the like. It can be applied to antifouling coatings in good conditions.
CERTIFICATIONS AND APPROVAL:	<p>This product contains no organ-active components with tin, which act as biocides, therefore it complies with the International Convention on the Control of Noxious Antifouling Systems on Ships, as per IMO dated October 2001 (IMO Document AFS / CONF / 26).</p> <p>This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.</p>

PACKAGING:	Component	Content	Package	Unit of measurement
	Monocomponent	3,6 20 0,9	3,6 20 0,9	L

CHARACTERISTICS:	Drying:			
	10°C	25°C	35°C	
Color:	Blue, Black, Red			
Gloss:	Matte			
Volume solid:	63 ± 2% (ISO 3233).			
Expiry Date:	12 months at 25°C.			
Thickness per coat:	80 µm –150 µm			
Theoretical coverage:	5,47 m ² /l without dilution in the thickness of 115 µm dry. Without considering the loss factors in the application.			
Touch:				
Before flooding	5 hours 30 hours	2 hours 12 hours	90 minutes 10 hours	
Repainting Drying				
	Min	20 hours	6 hours	4 hours
	Max	15 days	15 days	10 days

SURFACE PREPARATION	<p>The performance of this product is related to the degree of surface preparation.</p> <p>The surface must be clean, dry and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP 1 standard.</p> <p>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.</p> <p>New buildings</p> <p>The antifouling coating must be directly applied to a specific primer and sealer in order to form a suitable coating system. For the correct application of the primer/sealer, refer to its data sheet. The surface of the sealant should be clean, dry and free of any contaminants, and the antifouling coating should be applied within the sealant specific overcoating interval (refer to the sealant data sheet).</p> <p>Recommended primers for application over steel: WEG TAR FREE 712, WEG TAR FREE PLUS and</p>
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WEGPOXI WET SURFACE 89 PW.

Recommended sealers: Weg Tie Coat and W-nilica Tar Free CVI 810.

Maintenance and repair

When exposed to long service periods, the product may present a leached layer. This layer should be removed prior to the application by means of high pressure fresh water wash (above 3000 psi). It is important that this removal be done as soon as the vessel is removed from the water, thus avoiding the hardening of the leached layer. This procedure is also required to remove slime, salinity and incrustations.

The product should not be directly applied to other TBT-free antifoulings from Weg or another manufacturer without prior consultation with Weg. Any application without consultation is not authorized.

Initially remove any dirt and oil from the surface with clean cloths soaked in diluent for cleaning according to SSPC SP1. Whenever cleaning a surface with cloths, avoid the use of cotton waste or colored cloths. Repair the damaged areas and redo the anti-corrosion scheme.

NOTE: Observe the product overcoating interval to apply the next coat. In case the maximum overcoating interval has been exceeded, it is necessary to manually/mechanically sand the surface to break the gloss of the previous coat and clean the sanding residues so as to provide better adhesion between the coats.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Homogenize the contents of the package by means of mechanical or pneumatic stirring. Ensure that no sediment is settled at the bottom of the package.

Diluent Antifouling diluent

Dilution

Depending on the application method, dilute at most 10%

Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.

The quantity of diluent may vary depending on the type of equipment used and the ambient conditions during the application.

Excessive dilution of the coating may affect the formation of the film and appearance and hinder the attainment of the specified thickness.

APPLICATION FORMS

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

In the spray application, make a 50% overlap in each gun pass, concluding with a cross pass. This technique is used to avoid uncovered and unprotected areas and to obtain a suitable aesthetic finish.

Reinforce all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.

Changes in nozzle sizes and pressures may be necessary to improve the spraying characteristics.

Before the application, make sure the equipment and its components are clean and in the best condition.

Purge the compressed air line to prevent contamination of the coating.

Conventional gun:

Dilution: 10%

Airless Gun:

Use Airless: Use at least pump 60: 1

Fluid pressure: 2000 - 2500 psi

Hose: $\frac{3}{8}$ " internal diameter

Nozzle: 0,021" - 0,027"

Dilution: Max. 10%

Brush:

Only recommended for retouching small areas or strip coat (screws, nuts, weld beads, sharp edges and retouching). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for retouching.

NOTE:**Roller:**

Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.

For application with brush and/or roller, application in 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

Clean all equipment immediately after use.

Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

Furthermore, it is a good working practice to periodically wash the spray equipment along the day. The cleaning frequency will depend on the amount sprayed, temperature and elapsed time, including all delays.

PERFORMANCE IN THE APPLICATION

For a good performance of the product, we recommend following the directions below:

In paintings executed on the seafront, if exposed to the action of sea air, we recommend to wash with fresh water between coats eliminating the settled impurities.

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

After 15 days from the product application without flooding, the performance may be affected. Overcoating information is provided primarily as guidance and is subject to regional climatic variations.

Consult WEG for refinish procedures over other antifouling agents before beginning any painting job.

It should not be applied in adverse conditions, such as air relative humidity above 85% or on condensed surfaces. Small variations in color, appearance and gloss of the coated parts may occur in periods of high air relative humidity, rainy days, at low temperatures or in situations where the coated parts are placed to dry outdoors.

Limitations:

The performance of the product depends on the reaching of the specified dry film thickness, and it may vary depending on the type of water it will sail and also the daily operation hours of the vessel.

The wear rate depends on the temperature of the water, vessel speed, operation regions, among other factors.

The time before flooding is related to the environmental conditions, ventilation, dry film thickness and number of coats, which will be affected accordingly.

The results of the performance tests were obtained in the laboratory under controlled conditions and WEG does not guarantee that the results of the tests mentioned in this document, or any other tests, represent exactly the results of all environments found in the field such as overly polluted waters, rivers and others. Since environmental factors may present significant variations, care should be taken in the selection, assessment of the desired performance and use of this coating.

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.

The product should be applied within the overcoating interval as specified in the data sheet.

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.

We recommend coating only if the measured surface temperature is at least 3 °C above the dew point temperature.

For better application properties, the coating temperature should be between 21 - 27 °C prior to the mixing and application.

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

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the applied film may interfere with the product drying time.

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 of the product and its packaging, as well as materials used during handling and application in the environment.

Do not reuse the packaging of the product and dispose it in accordance with applicable legislation

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 prior 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 the behavior, safety, suitability or durability of the product.

Certain information contained in this datasheet is merely an estimate, 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.

The information contained in this technical datasheet is subject to periodic modification, without prior notice, due to the policy of evolution and continuous improvement of our products and services, providing solutions with quality to satisfy our customers' requirements.