

W-POXI BLOCK GFD 362 V

PRODUCT DESCRIPTION

High-build two-component polyamine epoxy primer/finish, formulated with anticorrosive pigments for steel surfaces. Developed for dry, damp, hydroblasted surfaces, and over specific primers.

RECOMMENDED USE

Material indicated as a primer to compose an anti-slip system. This product is certified as part of an approved painting scheme, according to Annex F of Petrobras standard N-2943 of 03/2021.

In offshore environments, can be used on decks, oil and natural gas exploration platforms, onboard machinery, pipelines, etc. Also indicated for industrial applications such as pulp and paper, bridges, aerial or submerged metal structures (upon consultation), and various machinery. Particularly suitable for environments where abrasion and corrosion resistance are essential requirements.

CERTIFICATIONS AND APPROVALS

Product complies with ISO 12944-9 standard - Condition CX and Im4.

Product in compliance with Petrobras Standard No. 1374 Annex A - High Performance Coating.

Product complies with Petrobras Standard N 2943 Annex A.

Certified in category C5H of ISO 12944:2018 - When applied at 240 microns and polyurethane topcoat at 60 microns.

PACKAGING

Component A	3.6L Package containing 3.05L 20L Package containing 16.95L
Component B	0.9L Package containing 0.55L 3.6L Package containing 3.05L

CHARACTERISTICS

Color	RAL, Munsell, or according to the customer's standard.
Gloss	Gloss
VOC content	182.60 g/l
Volume Solids	95 ± 2% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	240 µm - 500 µm
Dry Heat Resistance	Maximum temperature 200 °C. The product maintains its chemical properties up to a temperature of 200 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	2,57 m ² /l without dilution at a dry film thickness of 370 µm. Loss factors during application are not considered.

DRYING

Drying

	10 °C	25 °C	35 °C
Touch	14 hours	3 hours	2 hours
Manipulation	30 hours	9 hours	5 hours
Final	240 hours	168 hours	168 hours

Recoat Drying

	10 °C	25 °C	35 °C
Minimum	14 hours	9 hours	4 hours
Maximum	48 hours	48 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.

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.

Abrasive Blasting

Perform abrasive blasting to near-white metal, Sa 2½ grade, according to ISO 8501-1 visual standard (A Sa 2½, B Sa 2½, C Sa 2½, D Sa 2½), or according to SSPC-SP10/NACE No. 2, visual standard SSPC-VIS 1 (A SP10, B SP10, C SP10, D SP10, G1 SP10, G2 SP10, G3 SP10).

Inspect the freshly blasted surface, observing defects that may appear after treatment. Correct them by grinding, filling with welds and/or epoxy putty.

If oxidation occurs between the end of abrasive blasting and coating application, the surface must be blasted again until the specified visual standard is achieved.

Water Jetting

It is recommended to paint on hydroblasted surfaces to CWJ-2 grade according to SSPC-VIS 4. The product can be applied on surfaces with light flash rust, grade CWJ-2L.

Hand and Power Tool Cleaning

Mechanically treat the surface until achieving at least St 3 grade according to ISO 8501-1 visual standard or SSPC-SP 11, using SSPC-VIS 3 visual standard as guidance.

Maintenance and Repair

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.

Over Primer

If an anticorrosive primer is needed, it must be approved by WEG technical department. The primer must be dry and free of contaminants.

Existing shop primer must be removed via abrasive blasting to near-white metal, grade Sa 2½, ISO 8501-1 standard or SSPC-SP 10/NACE No.2, unless the manufacturer ensures integrity and performance of the painting system over the primer.

Respect the primer recoat interval before applying the product. If exceeded, perform sanding according to the technical bulletin. Painting over primer with exceeded interval may have adhesion lower than specified by Petrobras N2913 and ASTM D4541.

New Constructions

For new construction, treat overspray, weld beads, damaged areas, edges, and sharp corners by abrasive blasting grade Sa 2½ or SSPC-SP10, visual standard ISO 8501-1. If not possible, consult WEG Technical Department.

APPLICATION PREPARATION

Mixing	Homogenize the content of each component using mechanical or pneumatic stirring (A and B). Ensure no sediment remains at the bottom of the container. Add component B to component A in the indicated mixing ratio under stirring until completely homogenized, respecting the mixing ratio.
Mixing Ratio	By volume: 5.5 A x 1 B.
Thinner	EPOXY DILUENT 3005
Dilution	Consult WEG Tintas Technical Department.
Notes	In locations with higher temperature and relative humidity, the pot life of the mixture will be reduced.
Pot Life	1 h 30 min The shelf life of the mixture is reduced as the ambient temperature increases.



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.

Induction Time

No induction time required.

In very hot locations, we recommend consulting WEG's Technical Department.

APPLICATION METHODS

Conventional Spray Gun

Spray gun: JGA 502/3 Devilbiss or equivalent
Fluid nozzle: EX
Air cap: 704
Atomization pressure: 50 - 70 psi
Tank pressure: 10 - 20 psi.

Airless Spray Gun

Airless: Use minimum pump 70:1
Fluid pressure: 3500 - 4500 psi
Hose: The hose from the airless pump to the whip must be a maximum of 15 meters with 1/2" (12.7 mm) inner diameter. The whip hose that reaches the gun must be 1.5 meters with 3/8" (9.5 mm) inner diameter.
Nozzle: 0.031" - 0.035"
Note: Due to the product containing glass flakes, premature nozzle wear may occur. All filters must be removed. For more information on using this product with an Airless gun, please refer to the attachment at the end of this technical bulletin.

Roller

Use a short-haired, seamless wool 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:

EPOXY DILUENT 3005

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.
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

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh water between coats to remove deposited impurities.

Light colors may require more than one coat to achieve uniform coverage.

Do not apply the product after the pot life has been exceeded.

Do not use excessive air pressure. Properly adjust fluid and nozzle pressure for better atomization.



Substrate temperature, climatic and environmental conditions during application and curing, as well as applied film thickness, may affect drying time.

Epoxy systems may have longer curing times when exposed to low temperatures. For curing at temperatures below 10°C, consult the WEG Technical Department.

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

Paintings performed with varying application methods on the same project may result in differences in gloss and final appearance.

On freshly painted surfaces in direct contact with water during the curing process, localized staining with color change (more visible in darker colors), curing delay, and compromised product performance may occur.

It is not recommended to apply this product on surfaces with a water film, under direct rain impact, on freshly painted surfaces exposed to water during curing, in places with low temperatures, or in situations where parts are applied and left to dry outdoors, as localized staining with color change (more visible in dark colors), curing delay, and compromised product performance may occur.

Epoxy-based products are known for their excellent anticorrosive properties and low resistance to sun exposure. When the applied film is exposed to weathering, over time it will lose gloss, a phenomenon known as chalking, which consequently alters its color. It is important to note that, despite this chalking, the film's anticorrosive protection is not compromised.

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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