

W-POXI BLOCK GFD 362 SR

PRODUCT DESCRIPTION

Fast-curing, high-build, solvent-free two-component polyamine epoxy primer, intermediate, and finish with non-toxic anticorrosive pigments for carbon steel. Applicable in a single coat. Suitable for abrasive-blasted or hydroblasted surfaces, including wet surfaces. Enables quick access for equipment and scaffolding.

RECOMMENDED USE

Indicated for immersion works in saltwater at temperatures up to 60°C.

Ships, maritime structures, and offshore: ballast and fuel tanks, decks, oil and natural gas exploration platforms, onboard machinery, pipelines, etc.

Industrial applications: bridges, metal structures, and various machinery.

Pipes: can be applied inside and outside of pipelines.

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.2 - 06/2020.

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

PACKAGING

Component A	3.6L Package containing 3.6L 20L Package containing 20L
Component B	3.6L Package containing 3.6L 20L Package containing 20L

CHARACTERISTICS

Color	According to customer standard. RAL and Munsell chart.
Gloss	Gloss
VOC content	3.16 g/l
Volume Solids	100% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	400 µm - 1.000 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	1,43 m ² /l without dilution at a dry film thickness of 700 µm. Loss factors during application are not considered.

DRYING

Drying

	10 °C	25 °C	35 °C
Touch	5 hours	120 min	90 min
Manipulation	12 hours	8 hours	6 hours
Final	30 hours	15 hours	12 hours
Pot life	70 min	60 min	45 min

Recoat Drying

	10 °C	25 °C	35 °C
Minimum	12 hours	8 hours	6 hours
Maximum	36 hours	24 hours	18 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.

Accumulated dirt must be removed using a dry brush, and soluble salts must be removed by washing with fresh water under high pressure.

Recommended Surface Profile

It is recommended a roughness profile between 50 and 100 micrometers.

Abrasive Blasting

For other applications, it is recommended to paint on surfaces blasted to Sa 2½ or Sa 3 grade, according to SSPC-SP10 or SSPC-SP5, respectively. Visual standard ISO 8501-1.

Evaluate the surface after blasting, observing revealed defects and adopt practices to minimize them, such as grinding or filling.

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.

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 Aged Coating

It is recommended to test the paint on a small area to check compatibility and ensure aged paint is well adhered. Loose or poorly adhered paints must be removed. Repainting should be done only on well-preserved surfaces.

Corrosion points, worn, or damaged areas must be prepared by commercial abrasive blasting grade Sa 2 or, if not possible, by rotary-mechanical tools according to SSPC-SP 11.

Intact Zinc Silicate Shop Primers must be prepared with light blasting. Epoxy Iron Oxide Shop Primers must be clean and dry before application.

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: 1 A x 1 B.
Thinner	EPOXY DILUENT 3005
Dilution	Depending on the application method, dilute to a maximum of 5%.
Pot Life	1 h
	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.

APPLICATION METHODS

Airless Spray Gun

Airless: Use minimum pump 70:1
Fluid pressure: 2700 - 3000 psi
Hose: 3/8" inner diameter
Nozzle: 0.019" - 0.023".

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).
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.

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.
Do not allow catalyzed product to remain in contact with application equipment, as at temperatures above the indicated "pot life", the paint will show variation in flow and will harden, making cleaning difficult.
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.

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.

Proper washing and degreasing of the surface are essential, as well as sanding of old paints whenever necessary to promote adhesion.

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

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

During curing, if the applied parts are exposed to low temperatures and/or high humidity, exudation may occur on the film, which should be removed with fresh water or cloth moistened with appropriate Diluent. This does not affect the quality or corrosion resistance of the film.

Surface preparation is recommended to Sa 2½ or SSPC SP10 (ISO 8501-1 visual standard). Less stringent standards are acceptable as long as there are no contaminants, supplemented with high-pressure water cleaning.

Exposure of the coating film to temperatures above 120°C may compromise the product's performance regarding adhesion and chemical resistance.

Painting is recommended only if the surface temperature is at least 3°C above the dew point and maximum temperature of 52°C.

W-POXI GFD 362 SR paint can be applied under conditions where relative humidity does not exceed 95%. Application under a water film must be avoided.

Regardless of the preparation type, the product's moisture tolerance allows surface washing with fresh water immediately before painting, minimizing salt content.



W-POXI GFD 362 SR allows painting on recently hydroblasted surfaces with minor traces of light corrosion (Flash rust or "moderate" SSPC VIS4(I)/NACE No.7).

When applying by brush or roller, two or more coats may be necessary to achieve a uniform layer and recommended film thickness.

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.

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.

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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