



W-POXI 123

PRODUCT DESCRIPTION

Single-component zinc-rich acrylic primer. Provides cathodic protection to carbon steel.

RECOMMENDED USE

Indicated as an anticorrosive primer for structures and equipment subjected to highly aggressive environments.

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.

PACKAGING

Single Component	0.24 US gal Package containing 0.24 US gal 0.95 US gal Package containing 0.95 US gal
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CHARACTERISTICS

Color	Gray.
Gloss	Ultra-Matte
Volume Solids	53 ± 3% (ISO 3233)
Shelf Life	12 months
Dry Film Thickness	1.2 mils - 1.6 mils
Dry Heat Resistance	Maximum temperature 194 °F. Organic coatings can undergo changes in color, gloss, and adhesion when exposed to temperatures above 194 °F.
Theoretical Coverage	1 without dilution at a dry film thickness of 1.4 mils. Loss factors during application are not considered.

DRYING

Drying		50 °F 77 °F 95 °F		
		Touch	50 min 12 hours 96 hours	30 min 8 hours 72 hours
Recoat Drying		50 °F 77 °F 95 °F		
		Minimum	20 hours	18 hours
Maximum	28 hours	24 hours	20 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.

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.

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

APPLICATION PREPARATION

Mixing	Homogenize the content of the container using
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mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.

Thinner

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Dilution

Depending on the application method, dilute to a maximum of 15%.

Notes

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.

Pot Life

Not relevant.

APPLICATION METHODS

Conventional Spray Gun

Spray gun: JGA 502/3 Devilbiss or equivalent
 Fluid nozzle: EX
 Air cap: 704
 Atomization pressure: 60 - 65 psi
 Tank pressure: 10 - 20 psi.

Airless Spray Gun

Airless: Use minimum pump 60:1
 Fluid pressure: 2000 - 2500 psi
 Hose: 3/8" inner diameter
 Nozzle: 0.013" - 0.017".

Roller

Not recommended.

Brush

Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).

Cleaning of the equipments:

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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.
 Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas.
 Clean all equipment immediately after use.
 Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.

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.

We recommend painting only if the measured surface temperature is at least 5.4°F above the dew point.
 Do not apply at steel temperatures below 50°F.

For optimal application properties, the paint temperature must be between 69.8°F - 80.6°F before mixing and application.

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 37.4°F above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

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

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.

Under adverse weather conditions in indoor and/or outdoor environments with high relative humidity, rain or drizzle, low or very low temperatures, and excessively high temperatures, variations in color and other product characteristics may occur. Please consult WEG's Technical Department for more information.

SYSTEM COMPATIBILITY AND MAINTENANCE REPAINTING

The primer repainting interval must be respected for the application of the topcoat. If the maximum interval indicated is exceeded, manual/mechanical sanding with sandpaper to remove gloss is necessary. The primer surface must be dry and free of contaminants.

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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