

W-POXI EZM 120 IT

PRODUCT DESCRIPTION

Two-component polyamide epoxy primer pigmented with zinc and micaceous iron oxide. Provides excellent anticorrosive protection and abrasion resistance.

RECOMMENDED USE

Indicated as an anticorrosive primer for transformers and radiators 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

Component A	3.6L Package containing 3L
Component B	3.6L Package containing 3L

CHARACTERISTICS

Color	Gray.
Gloss	Matte
VOC content	553.21 g/l
Volume Solids	63 ± 2% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	120 µm - 160 µm
Dry Heat Resistance	Maximum temperature 155 °C. The product maintains its chemical properties up to a temperature of 155 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	4,50 m ² /l without dilution at a dry film thickness of 140 µm. Loss factors during application are not considered.

DRYING

Drying

	10 °C	25 °C	35 °C
Touch	90 min	40 min	30 min
Manipulation	12 hours	5 hours	3 hours
Final	168 hours	120 hours	120 hours

Recoat Drying

	10 °C	25 °C	35 °C
Minimum	24 hours	5 hours	3 hours
Maximum	72 hours	60 hours	48 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.

Recommended Surface Profile

It is recommended a roughness profile between 40 and 85 micrometers.

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.

APPLICATION PREPARATION

Mixing

Application must only be carried out with equipment that provides mechanical agitation during the entire application.

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 (volume) proportions under stirring until completely homogenized, respecting the mixing ratio. Once components A and B are mixed, add the MIX 30 aggregate in the recommended amount until fully homogenized (mix for 2 to 3 minutes).

Then pass the mixture through an 80-100 mesh sieve.

Mixing Ratio

By volume: 1 A x 1 B.

Thinner

DILUENT SL 30

Dilution

Depending on the application method, dilute to a maximum of 10%.

Notes

Dilute according to recommendation.

Only add the thinner after the A + B components are completely mixed.

Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness.

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

3 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

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 - 30 psi.

Airless Spray Gun

Airless: Use minimum pump 60:1

Fluid pressure: 2000 - 2500 psi

Hose: 3/8" inner diameter

Nozzle: 0.015" - 0.021".

Filter: mesh 60.

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:

DILUENT SL 30

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.

Clean all equipment immediately after use.

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.

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

For optimal application properties, the paint temperature should be between 21°C and 27°C before mixing and application.

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.

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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