

# W-POXI GALVANICO MONOCOMP. UF

**PRODUCT DESCRIPTION:** Single-component modified epoxy primer. It provides excellent corrosion protection and adhesion on galvanized steel to fire and electrolytic.

**RECOMMENDED USES:** Recommended as primer for bus body supporting structure with excellent adhesion. Due to its excellent corrosion protection and fast drying, it can be used to paint other equipment.

**CERTIFICATIONS AND APPROVAL:** This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.

PACKAGING:	Component	Content	Package	Unit of measurement
	Monocomponent	3.6 20	3.6 20	L

**CHARACTERISTICS:**

**Color:** Green, Black

**Gloss:** Ultra matte

**Volume solid:** 21 ± 3% (ISO 3233).

**Shelf-Life:** 6 months

**Viscosity of Application:** 20 - 25" cf4.

**Thickness per coat (dry):** 30 µm –40 µm

**Theoretical coverage:** 6 m2/l without dilution in the thickness of 35 µm dry. Without considering loss factors in application.

**Resistance to dry heat:** Maximum temperature 60 °C Organic coatings can undergo alterations of color, gloss and adherence when exposed to temperatures exceeding 60 °C

Drying:	25 °C
<b>Touch:</b>	15 minutes
<b>Handling:</b>	60 minutes
<b>Final:</b>	168 hours

Overcoating Drying:	25 °C
Min	5 hours
Max	24 hours

Obs If the maximum interval indicated for applying the subsequent coat is exceeded, it is necessary to proceed with superficial sanding. This procedure is necessary to obtain adhesion between the coats.

## SURFACE PREPARATION

The performance of this product depends on the degree of surface preparation.

The surface must be clean and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP 1 standard.

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.

### Surface treatment by Degreasing with solvents

Completely remove oil from the surface with clean cloths soaked in cleaning solvent according to SSPC SP1. Whenever cleaning a surface with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

### Treatment of Steel Carbon Surfaces

Hard superficial layers (for example, layers resulting from flame cut) must be removed by grinding it before beginning the abrasive blasting.

All the welds must be inspected e, if necessary, be repaired before the ending of the abrasive blasting. Porosity, cavities, weld splashes, etc. must be repaired by means of proper mechanical treatment or weld repair; in the other areas, round the sharp edges ( $r \geq 2$  mm, ISO 8501-3).

**For further information, consult WEG Technical Department.**

## PREPARATION FOR APPLICATION

### Mixture

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

### Diluent Epoxy diluent 3005

#### 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 and aspect of the film and not allow to reach the specified thickness.

#### Pot life of the mixture (25°C)

Not relevant

In hot areas, we recommend consulting WEG Technical Department.

## 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.

Recoat 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 spraying characteristics.

Before application, check if the equipment and its components are clean and in best condition.

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

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

### Conventional gun:

Gun:	JGA 502/3 Devilbiss or equivalent
Fluid nozzle:	FX
Air cap:	704
Atomization pressure:	50 - 70 psi
Pressure in the tank:	10 - 20 psi
Dilution:	10%

**NOTE:**

**Brush:**

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

**Cleaning the equipment:**

Epoxy diluent 3005  
Clean all equipment immediately after use.

Do not leave catalyzed product in contact with the equipment used in the application, because the coating will vary in fluidity at temperatures above specified in the pot life and will cure faster, making the cleaning difficult.

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:

Variations in color, aspect and gloss (more noticeable in dark colors) may occur, as well as delay in curing and low coating performance, when applied during periods of high air relative humidity, rainy days, low temperatures or drying the coating outdoor.

In paintings carried out in front of the sea, if exposed to sea air, we recommend to wash with fresh water between coats eliminating settled impurities.

Before application, the weather conditions must be observed: There should be no threat of rain or drizzle. The surface temperature must be at least 3°C (37.4°F) above the dew point and the relative humidity must not exceed 85%.

Under adverse weather conditions indoors and/or outdoors with high relative humidity, rain, or drizzle, low or low temperatures and excessively high temperatures, variations in color and other product characteristics may occur. Consult the WEG Technical Department for more information. We recommend coating only if the surface temperature is at least 3°C (37.4°F) above the dew point temperature.

For better application properties, the coating temperature should be between 21°C - 27 °C (69.8°F - 80.6 °F) prior to the mixing and application.

In coatings with variation in application method in the same job, the final aspect and gloss of the painted surfaces may show 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 coat may interfere in 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](http://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 this product and its packaging, as well as materials used during handling and application in the environment.

**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 previous 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 behavior, safety, suitability or durability of the product.

Some information contained in this datasheet are estimated, 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.

