TECHNICAL DATA SHEET

W-POXI MULTIUSO

PRODUCT DESCRIPTION: Epoxy finish paint for metal structure and floors. Exclusive product for sale through resale.

RECOMMENDED USES: Recommended for painting light commercial traffic floors and general structure.

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
Component A	2,88	3,6	L
Component B	0,72	0,9	L

CHARACTERISTICS:

Gloss: Gloss
Volume solid: 45 ± 5% (ISO 3233).

Shelf-Life: 24 months at 25°C (77°F).
Thickness per coat (dry): 40 µm –50 µm
Theoretical coverage: 15 m2/l without dilution in the thickness of 30 µm dry. Without considering loss factors in application.

Drying:

	10ºC (50°F)	25ºC (77°F)	35ºC (95°F)
Touch:	2 hours	1 hour	30 minutes
Handling:	10 hours	4 hours	3 hours
Final:	240 hours	168 hours	120 hours

Overcoating Drying:

	10ºC (50°F)	25ºC (77°F)	35ºC (95°F)
Min	10 hours	4 hours	3 hours
Max	36 hours	24 hours	16 hours

SURFACE PREPARATION It is essential to sand the part before applying the body filler to obtain the adhesion of the product to the part.

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

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

Application over primer
The product can be directly applied to a specific primer in order to form a suitable coating system.

Observe the primer overcoating interval before applying the product. If the primer overcoating time is exceeded, sand as described in the primer data sheet. In coatings made on a primer after the overcoating interval, the adhesion values according to ASTM D 4541 may present lower values than those specified by Petrobras standard N 2913.

Concrete Surface Treatment

Observe the overcoating interval between the coats of the sealer or primer for the application of the product. If the overcoating time is exceeded, sand as described in the sealer or primer data sheet.

This product should be directly applied to a sealer or primer recommended for concrete surfaces, in order to compose a suitable coating system. For the correct application of the sealer/primer, refer to its data sheet.

The performance of this product is related to the degree of surface preparation. The surface must be clean, solid, free of any kind of contaminants, totally dry and rough enough to allow adhesion of the protection system.

No coating of any kind can be directly applied to the concrete floor or subfloor with curing accelerator additives, unless representative tests indicate the possibility of satisfactory adhesion of the coating system.

No type of coating or painting must be applied, without the concrete (or subfloor of sand and cement mortar) being totally dry and cured for at least 28 days in normal climatic conditio.

Coatings should not be directly applied to floors contaminated with oil or aggressive products. The floor must be effectively cleaned. In case the application is done over residues of such contaminants, the coating film may come off, and other flaws and defects may occur.

Coating over old concrete only with recommendation of WEG Technical Department.

The application of the product must be carried out as directed by our technical department in order to obtain the best performance. The assessment of factors such as surface conditions, roughness, quantity of contaminants and other characteristics is essential for the proper execution of the surface preparation.

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.

Mixing ratio (Volume)

4 A X 1 B.

Diluent
Epoxy diluent 3005

Dilution
Depending on the application method, dilute at most. 10%

Pot life of the mixture (25°C) (77°F)
4 h

Conventional gun:

Gun:	JGA 502/3 Devilbiss or equivalent
Fluid nozzle:	EX
Air cap:	704
Atomization pressure:	60 - 65 psi
Pressure in the tank:	10 - 20 psi
Dilution:	10%

Airless Gun:

Use Airless:	Use at least pump 60: 1
Fluid pressure:	1500 - 2500 psi
Hose:	¼" internal diameter
Nozzle:	0,015“ - 0,021“

Roller:
Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.

PERFORMANCE IN THE APPLICATION

For a good performance of the product, we recommend following the directions below:

The application of the coating system may require that the coatings used in this scheme be applied in two or more coats so as to obtain a uniform layer, with a dry film thickness suitable for the appearance and expected performance.

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.

Light colors may require more than one coat for an even coverage.

Do not apply the product after the pot life has expired.

We recommend coating only if the surface temperature is at least 3 °C (37,4°F) above the dew point temperature.

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.

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.

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

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

Epoxy-based products are known by having excellent anti-corrosion properties and low resistance to sunlight exposure. In situations of exposure of the film to the weather, over time it will present a loss of gloss known as chalking and its shade will change as a consequence. Remember that even undergoing such chalking, the film anti-corrosion protection is not impaired.

On newly painted surfaces in direct contact with water during the curing process, localized stains may occur with changes in their color (more visible in dark colors), delay in curing and compromised product performance.

In coatings with variation in application method in the same job, the final aspect and gloss of the painted surfaces may show differences.

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.

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.

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