

W-POXI GEL COAT

PRODUCT DESCRIPTION: W-POXI GEL COAT is a 2-pack amine epoxy system. Used for manual finishing/refining of the surface of laminates, providing excellent sanding.

RECOMMENDED USES: The product was developed for use on turbine blades.

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	19,2 kg	20	kg
	Component B	4,8 kg	5,5	kg

CHARACTERISTICS: **Color:** Colorless

Gloss: Gloss
Volume solid: 98 ± 2% (ISO 3233).

Expiry Date: 12 months at 25°C.

Thickness per coat (dry): 175 µm –225 µm

Resistance to dry heat: Maximum temperature 120 °C . The product retains its physical and chemical properties up to the temperature of 120 °C however, variations in the coating color and gloss may occur from 60 °C.

Drying:

	40°C	45°C	50°C
Final:	1 hour	40 minutes	30 minutes

SURFACE PREPARATION The performance of this product is related to 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.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

If necessary, use a heater at a temperature of up to 45 ° C for component A. Homogenize the contents of the package by means of mechanical or pneumatic stirring. Ensure that no sediment is settled at the bottom of the package.

Mixing ratio (Volume)

4 A X 1 B.

Diluent

Not applicable

Pot life of the mixture (25°C)

40 min

In hot areas, we recommend consulting WEG Technical Department.

APPLICATION FORMS

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

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Changes in nozzle sizes and pressures may be necessary to improve the spraying characteristics.

Before the application, make sure the equipment and its components are clean and in the best condition.

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

After mixing the 2-pack products, if there are stops in the application, and the pot life is exceeded (the coating presents variation in its fluidity), it can no longer be diluted for further application.

Airless Gun:

Use Airless: Use at least pump 100: 1

Fluid pressure: 1500 - 2500 psi

Hose: ¼" internal diameter

Nozzle: 0,017" - 0,035"

Brush:

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

NOTE:

Cleaning the equipment:

Not applicable

Do not leave the catalyzed product in contact with the equipment used in the application, because the coating will present variations in fluidity at temperatures above the specification in the pot life and will harden, making the cleaning difficult.

Clean all equipment immediately after use.

PERFORMANCE IN THE APPLICATION

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

In paintings executed on the seafront, if exposed to the action of sea air, we recommend to wash with fresh water between coats eliminating the settled impurities.

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

We recommend coating only if the measured surface temperature is at least 3 °C above the dew point temperature.

Minor variations in color, appearance and gloss (more noticeable in dark colors) may occur, as well as delay in curing and impairment of surface performance, when applied during periods of high air relative humidity, rainy days, low temperatures or in case the coated parts are put to dry outdoors.

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 applied film may interfere with the product drying time.

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

It should not be applied under adverse conditions, such as air relative humidity (RH) above 85%, as changes in color and appearance may occur.

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 of the 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 prior 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 the behavior, safety, suitability or durability of the product.

Certain information contained in this datasheet is merely an estimate, 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.

