

W-POXI PRP 30

PRODUCT DESCRIPTION

Two-component polyamine epoxy product with added silica. Solvent-free fluid consistency mortar. Fills small localized defects on floors such as cracks, cavities, holes, and mechanically damaged areas. Allows continuation of coating works after 24 hours.

RECOMMENDED USE

Indicated for small repairs of floors in food industries, hospitals, laboratories, pulp and paper factories, chemical and petrochemical industries, sugar mills, alcohol distilleries, and other industrial floors. Indoor and outdoor use. The recommendation of this product can only be made by the WEG Technical Department.

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 2.7L
Component B	0.9L Package containing 0.9L
Note	It is possible to add Mix 30 aggregate to the mixture, ranging from 1 to 12 kg per gallon. Consult the technical department for more details.
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CHARACTERISTICS

Color	Colorless.
Gloss	Gloss
VOC content	9.16 g/l
Volume Solids	98 ± 2% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	500 µm - 1.000 µm
Dry Heat Resistance	Maximum temperature 120 °C. The product maintains its chemical properties up to a temperature of 120 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	1,31 m ² /l without dilution at a dry film thickness of 750 µm. Loss factors during application are not considered.

DRYING

Drying			
	10 °C	25 °C	35 °C
Touch	8 hours	5 hours	3 hours
Manipulation	18 hours	12 hours	8 hours
Final	240 hours	168 hours	144 hours
Recoat Drying			
	10 °C	25 °C	35 °C
Minimum	36 hours	16 hours	10 hours
Maximum	48 hours	26 hours	16 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.

Degreasing



Completely remove oils and greases by applying a degreasing product or according to the solvent cleaning method. Whenever cleaning surfaces with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

Concrete Surfaces

No coating or paint should be applied until the concrete (or cement-sand screed) is fully dry and cured for at least 28 days under normal climatic conditions.

Before painting, the concrete must have a maximum residual moisture of 6%.

No coating or paint should be applied on concrete or cement-sand screed with curing accelerator unless representative tests indicate satisfactory adhesion of the paint system.

For more information, consult the Concrete Surface Preparation and Application Manual.

This product must be applied over a recommended sealer or primer for concrete surfaces to compose an appropriate painting system. For correct application of the sealer/primer, consult its technical bulletin.

Coatings should not be applied over floors contaminated with oils or aggressive products. The floor must be effectively cleaned. Applying over residues of these contaminants may cause coating detachment and other failures.

Acid treatment: recommended for ground-level floors and walls if no infiltration risk exists, as acid attack on rebar may compromise mechanical strength and structural safety. Follow product technical bulletins or applicator instructions when using this method.

Scarification (milling) for moderate system: this method is an excellent option for repairing and restoring damaged surfaces, suitable for both light and heavy work. Recommended for cutting anti-slip grooves, removing contaminated surface layers like grease, oil, rubber, synthetic pavements, paints, traffic marking stripes, among other floor applications. The mill consists of a motor rotating a tool/disc drum with widea (tungsten carbide), which chisels and wears the floor surface. Depth depends on disc type and shape used on the mill shaft.

Respect the recoat interval between sealer or primer coats for applying the product. If the recoat time is exceeded, sand as described in the sealer or primer technical bulletin.

Surface preparation must be performed in accordance with SSPC SP-13/NACE No. 6, ICRI Technical Guidance No. 03732, and compared with the visual standard expressed as CSP 1 to 10.

Coating on old concrete only upon recommendation from WEG Technical Department.

Product application must follow guidance from our technical department to achieve the expected performance. Factors such as surface condition, roughness, contaminant level, and other specifics are essential for proper surface preparation.

Manual and rotary hammer grinders: these machines work with motors with 1 or 2 multi-purpose discs (3 stones or diamond inserts per disc). Depending on floor hardness, carborundum or widea (tungsten carbide) inserts can be used.

The performance of this product is associated with surface preparation. The surface must be clean, solid, free of any contaminants, fully dry, and have sufficient roughness to allow adhesion of the applied protection system.

Check for moisture in concrete according to ASTM D 4263.

Captive blast with centrifugal turbines: process with centrifugal blast/turbines, using steel shot in a closed circuit.

APPLICATION PREPARATION

Mixing

Homogenize for 1 minute the content of each component by mechanical or pneumatic stirring (A and B). Ensure that no sediment remains at the bottom of the container. Add component B to component A, in the indicated mixing ratio, under agitation, until complete homogenization is achieved, respecting the specified mixing ratio. Consult the technical department for more details.

Mixing Ratio

By weight: 100 A x 32 B.

Thinner

Not applicable.



Dilution	Consult WEG Tintas Technical Department.
Notes	No dilution is required. Product ready to use. If necessary, consult the WEG Technical Department.
Pot Life	20 min 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.
Induction Time	No induction time required. In very hot locations, we recommend consulting WEG's Technical Department.

APPLICATION METHODS

Roller	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.
Brush	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).
Cleaning of the equipments:	Not applicable.
Notes	The data presented serves as a guide and similar equipment may be used. 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. Clean all equipment immediately after use.

APPLICATION PERFORMANCE

The indication of thickness between 1000 to 4000 microns will depend on the amount of Mix 30 to be used. The higher the thickness, the greater the need for addition of Mix 30. Without the use of this aggregate, application above 1000 microns is not recommended, as film formation defects may occur.

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.

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 3°C above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

Painting is recommended only if surface temperature is at least 3°C above the dew point.

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

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

Epoxy resin-based repair primers for concrete have excellent mechanical properties but low resistance to sun exposure. When the applied film is exposed to weathering, over time it will lose gloss, a phenomenon known as chalking, which consequently alters its color. It is important to note that, despite this chalking, the film's anticorrosive protection is not compromised.



Application of the coating system may require the paints involved to be applied in two or more coats to achieve a uniform layer with dry film thickness suitable for the expected appearance and performance.

Product yield depends on the condition of the surface to be repaired. The theoretical calculation of paint quantity should consider surface condition. To achieve expected yield, control the amount of paint applied per area. Refer to the Application Manual for more information.

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.

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.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.