

W-POXI RVA FLOOR

PRODUCT DESCRIPTION

Epoxy topcoat paint for metallic structures and floors. Product for resale distribution only.

RECOMMENDED USE

Recommended for painting new machinery and equipment or maintenance services subject to medium aggressiveness environments, such as petrochemical, pulp, and paper industries, among others. Product intended for covered environments. Suitable for light traffic (pedestrians).

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 2.88L
Component B	0.9L Package containing 0.72L

CHARACTERISTICS

Color	According to customer standard. RAL and Munsell chart.
Gloss	Not applicable.
VOC content	622.56 g/l
Volume Solids	52 ± 2% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	20 µm - 40 µm
Dry Heat Resistance	Maximum temperature 100 °C. The product maintains its chemical properties up to a temperature of 100 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	17,33 m ² /l without dilution at a dry film thickness of 30 µm. Loss factors during application are not considered.

DRYING

Drying			
	10 °C	25 °C	35 °C
Touch	2 hours	1 hour	30 min
Manipulation	10 hours	4 hours	3 hours
Final	240 hours	168 hours	120 hours
Recoat Drying			
	10 °C	25 °C	35 °C
Minimum	10 hours	4 hours	3 hours
Maximum	36 hours	24 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.

The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, and fats according to SSPC-SP1.

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.

Accumulated dirt must be removed using a dry brush, and soluble salts must be removed by



washing with fresh water under high pressure.

Depending on the type and initial condition of the substrate, perform abrasive blasting, sanding with rotary hammer polishers using carborundum or diamond stones, acid etching and/or milling, as appropriate.

This coating must be directly applied to the sealer W-POXI CVS 301, W-POXI HSS 301 and primer W-POXI PRP 301 or another primer recommended by WEG#technical department..

Maintenance and Repair

NOTE: Respect the recoating interval for subsequent coat application. If exceeded, perform light manual/mechanical sanding to break the previous coat gloss, followed by dust and residue cleaning to ensure better adhesion between paint layers.

Concrete Surfaces

Before painting, all masonry or concrete must be cured (28 days for cement mortar or concrete) and dry, without cracks, fissures, or voids, and perfectly adhered to the base or other mortar and coating layers.

For old concrete, a technical inspection is recommended. For more information, consult the Concrete Surface Preparation and Application Manual.

Mold release agents, cement laitance, grease, oil, wax, or any other contaminants that have penetrated or deposited on the surface must be removed, along with all accumulated dust.

W-POXI PISO RVA must be applied over W-POXI CVS 301 sealer to compose an appropriate coating system. For correct sealer application, consult its technical bulletin.

The product must be used following guidance from our technical department to achieve expected performance. Factors such as surface condition, roughness, contaminant level, and other details are essential for proper surface preparation.

To achieve a completely smooth finish, prepare the surface with filler or acrylic putty before painting, followed by sanding and cleaning dust and residues.

Respect the recoat interval of W-POXI CVS 301 for applying W-POXI PISO RVA. If the recoat time is exceeded, sand as described in the sealer technical bulletin.

Over Primer

The product must be applied over a specific primer. The primer must be clean, dry, and free of contaminants. The topcoat must be applied within the primer recoat interval. Consult the primer technical bulletin for correct application.

APPLICATION PREPARATION

Mixing	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 mixing ratio under stirring until completely homogenized, respecting the mixing ratio.
Mixing Ratio	By volume: 4 A x 1 B.
Thinner	EPOXY DILUENT 3013
Dilution	Depending on the application method, dilute to a maximum of 10%.
Notes	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	4 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: 60 - 65 psi
 Tank pressure: 10 - 20 psi.

Roller

Use wool or synthetic rollers.

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:

EPOXY DILUENT 3013

Notes

Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination.
 Before application, ensure that the equipment and respective components are clean and in optimal condition.
 In spray application, overlap each gun pass by 50%, finishing with a cross pass. This technique avoids uncovered or unprotected areas and ensures proper aesthetic finish.
 Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas.
 Clean all equipment immediately after use.
 Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.
 It is considered good practice to periodically wash the spraying equipment during the day. The cleaning frequency depends on the amount sprayed, temperature, and elapsed time, including all delays.

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.

Light colors may require more than one coat to achieve uniform coverage.

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.

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.

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

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.

Paintings performed with varying application methods on the same project may result in differences in gloss and final appearance.

On freshly painted surfaces in direct contact with water during the curing process, localized staining with color change (more visible in darker colors), curing delay, and compromised product performance 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.

Epoxy-based products are known for their excellent anticorrosive properties and 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.

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.
