



W-THANE PU PISCINA R

PRODUCT DESCRIPTION: High performance polyurethane enamel, two-component waterproof. It offers good chemical resistance and continuous weathering, excellent adhesion and durability, high resistance to atmospheric agents, high performance in terms of hardness and impact and excellent color and gloss retention, preserving the appearance of new paint.

RECOMMENDED USES: Suitable for painting fiber, concrete or tile pools, for the execution of new projects, as well as restoration services.

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	0.79	0.95	GAL
	Component B	0.16	0.24	GAL

CHARACTERISTICS:	Color:	Blue
	Gloss:	Gloss >80 UB
	Volume solid:	46 ± 5% (ISO 3233).
	Shelf-Life (77°F):	12 months - Component A 06 months - Component B
	Thickness per coat (dry):	1,18 mils – 1,57 mils
	Theoretical coverage:	264.88 ft ² /gal without dilution in the thickness of 2.76 mils dry. Without considering loss factors in application.
	Resistance to dry heat:	Maximum temperature 194 °F. The product retains its physical and chemical properties up to the temperature of 194 °F however, variations in the coating color and gloss may occur from 60 °C (140°F).

Drying:	77 °F
Touch:	30 minutes
Handling:	8 hours
Final:	168 hours

Overcoating Drying:	77 °F
Min	12 hours
Max	48 hours

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.

Tile Surface Treatment

Tiled pools: Apply the primer W-POXI VERNIZ HSS 301 INCOLOR, respecting the overcoating interval recommended in the material's technical bulletin, to later apply the finish.

Fiber Surface Treatment

Fiber pools: Sand the entire surface using sandpaper 280 or 320. Remove all dust with plenty of water, drain the accumulation and wait for the surface to dry completely. Apply the paint following the recommendations presented in this technical bulletin.

Concrete Surface Treatment

Cemented pools: Wait for the concrete to completely cure for a minimum period of 30 days. After complete curing, fill the pool with full water and leave it for 15 days with water, drain it completely and allow it to dry completely. In case of heavy rain, remove the accumulated water and wait for it to dry. Apply the primer W-POXI VERNIZ HSS 301 INCOLOR, respecting the recoating interval recommended in the material's technical bulletin, to later apply the finish.

Maintenance and repair

NOTE: Observe the product overcoating interval to apply the next coat. In case the maximum overcoating interval has been exceeded, it is necessary to manually/mechanically sand the surface to break the gloss of the previous coat and clean the sanding residues so as to provide better adhesion between the coats.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Homogenize the contents of each component with mechanical or pneumatic stirring (A and B). Check there are no sediment settled at the bottom of the package. Add component B to component A, at the recommended proportion (volume), under stirring, until complete homogenization, observing the mixing ratio.

Diluent

Dilution

Depending on the application method, dilute at most. 20%

The quantity of diluent may vary depending on the type of equipment used and the ambient conditions during the application.

Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.

Only add the diluent after complete mixing of components A + B.

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 (77°C)

4 h

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 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.

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

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:	20%

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:

Swimmingpool diluent

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.

NOTE:

PERFORMANCE IN THE APPLICATION

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

Important informations:

- Fill the pool with water only after the material has completely cured 168 hours (7 days) under normal ambient conditions, recommended in this technical bulletin.
- Carry out the chlorine treatment 168 hours (7 days) after filling the pool with water.
- Liquid or granular chlorine must be previously dissolved in water before adding it to the pool.

Product not recommended for pools that work with constant water heating.

Not recommended for immersion work at temperatures above 35 °C (95°F) and chlorine concentrations above 3 ppm.

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.

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.

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.

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

TECHNICAL DATA SHEET



Polyurethane systems (component A and B) present when exposed to air relative humidity, which can cause flaws in the dry film and reduction of pot life. Therefore, we recommend that the packages of each component be properly closed after use and kept in dry places protected from bad weather.

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

To maintain a good performance of the product it is recommended to apply in two coats of 50-90 μm (1.97 - 3.55 mils).

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.

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.

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