TECHNICAL DATA SHEET

W-THANE PU SWIMMING POOL

PRODUCT DESCRIPTION

High-performance waterproof two-component polyurethane enamel. Good chemical and continuous weathering resistance, excellent adhesion and durability, high resistance to atmospheric agents, high hardness and impact performance, excellent color and gloss retention, preserving new-paint appearance.

RECOMMENDED USE

Indicated for painting fiberglass, concrete, or tile swimming pools, for new projects as well as restoration work.

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 3L
Component B	0.9L Package containing 0.6L

CHARACTERISTICS

Color	Blue.
Gloss	Gloss
Volume Solids	46 ± 5% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	50 µm - 90 µm
Dry Heat Resistance	Maximum temperature 90 °C. The product maintains its chemical properties up to a temperature of 90 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	6,57 m2/l without dilution at a dry film thickness of 70 µm. Loss factors during application are not considered.

DRYING

Drying

	25 °C
Touch	30 min
Manipulation	8 hours
Final	168 hours

Recoat Drying

	25 °C
Minimum	12 hours
Maximum	48 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.

Remove accumulated dirt using a dry brush, clean dry cloth, compressed air blow, vacuum, or a combination of these. Remove soluble salts by washing with plenty of fresh water, preferably under low pressure (up to 5,000 psi), according to SSPC-SP12/NACE No. 5 standard.

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

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to ensure better adhesion between paint layers.

Concrete Surfaces
Cemented pools: wait for complete concrete curing for at least 30 days. After curing, fill with water to full capacity for 15 days. Drain completely and let dry. In case of heavy rain, remove accumulated water and wait for drying. Apply W-POXI VERNIZ HSS 301 CLEAR primer, respecting the recommended recoat interval in the technical bulletin, before applying the topcoat.

Fiber Surfaces
Fiberglass pools: sand the entire surface using 280 or 320-grit sandpaper. Remove all dust with plenty of water, drain accumulation, and wait for complete surface drying. Apply the paint following this technical bulletin#srecommendations.

Tile Surfaces
Tiled pools: apply W-POXI VERNIZ HSS 301 CLEAR primer, respecting the recommended recoat interval in the technical bulletin, before applying the topcoat.

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: 5 A x 1 B.
Thinner	SWIMMINGPOOL DILUENT
Dilution	Depending on the application method, dilute to a maximum of 20%.
Notes	Dilute according to recommendation. Only add the thinner after the A + B components are completely mixed. Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness. 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.
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:	SWIMMINGPOOL DILUENT
Notes	The data presented serves as a guide and similar equipment may be used. 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. After mixing two-component products, if there are application stops and the pot life has been exceeded (paint shows variation in flow), it can no longer be re-thinned for later application.

APPLICATION PERFORMANCE

To maintain good product performance, it is recommended to apply two coats of 50-90 ¼m.

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.

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

Important information: - Fill the pool with water only after the complete cure of the material (168 hours, 7 days) under normal ambient conditions recommended in this technical bulletin. - Perform chlorine treatment 168 hours (7 days) after filling the pool with water. - Liquid or granulated chlorine must be previously dissolved in water before being added to the pool.

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

Polyurethane systems (components A and B) are sensitive to relative humidity, which may cause defects in the dry film and reduction in pot life. After use, keep containers closed and protected.

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

Not recommended for immersion service at temperatures above 35°C and chlorine concentrations above 3 ppm.

Product not recommended for pools with constant water heating.

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.

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

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