



W-THANE VARNISH TO BRICKWORK

PRODUCT DESCRIPTION			Two-component high-performance fast-drying clear acrylic varnish. Good chemical and continuous weathering resistance. Excellent UV gloss retention, high resistance to atmospheric agents.
RECOMMENDED USE			Excellent finish for painting surfaces that require a glossy appearance. Can be applied over new or old masonry, prioritizing resistance to natural weathering and lightfastness.
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	0.95 US gal Package containing 0.76 US gal	
	Component B	0.24 US gal Package containing 0.19 US gal	
CHARACTERISTICS			
	Color	Colorless.	
	Gloss	Gloss	
	VOC content	4.10 lb/gal	
	Volume Solids	31 ± 2% (ISO 3233)	
	Shelf Life	12 months	
	Dry Film Thickness	1.2 mils - 1.6 mils	
	Dry Heat Resistance	Maximum temperature 212 °F. The product maintains its chemical properties up to a temperature of 212 °F, but from 212°F, color and gloss variations in the paint may occur.	
	Theoretical Coverage	361.0 ft²/gal without dilution at a dry film thickness of 1.4 mils. Loss factors during application are not considered.	
DRYING			77 °F
	Touch Dry:	1 h	
	Handle Dry:	5 h	
	Full Cure:	7 days	
	Minimum recoat drying time:	5 h	
	Maximum recoat drying time:	24 h	
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 to be painted must be clean, dry, and free of impurities such as rust, dust, soluble salts, grease, oils, or other contaminants that may compromise product performance.		
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

Avoid prolonged mixing, as frictional heat will significantly reduce the product's shelflife.

Thinner

By volume: 4 A x 1 B.

Dilution

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Depending on the application method, dilute to a maximum of 30%.

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

6 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 Devilbiss or equivalent
Fluid nozzle: EX
Air cap: 704
Atomization pressure: 60 - 65 psi
Tank pressure: 10 - 20 psi.

Roller

Use a short-haired, seamless wool or synthetic roller for epoxy paints.
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:

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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.
Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas.

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.

Do not apply the product after the pot life has been exceeded.

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

For optimal application properties, the paint temperature must be between 69.8°F - 80.6°F before mixing and application.

We recommend painting only if the measured surface temperature is at least 5.4°F above the dew point.

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

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.

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.

Product not recommended for internal tank painting.

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 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.