

W-THANE DRV 56

PRODUCT DESCRIPTION

Two-component aliphatic polyester varnish. Provides matte gloss finish, excellent flexibility, high hardness, and weathering resistance.

RECOMMENDED USE

Product developed for protection of floors in food industries, hospitals, laboratories, pulp and paper factories, chemical and petrochemical industries, sugar mills, alcohol distilleries, and other industrial floors. For indoor and outdoor use (see the "Performance in Application" section of this technical data sheet).

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 2.16L
Component B	1.5L Package containing 1.44L

CHARACTERISTICS

Color	Colorless.
Gloss	Matte
VOC content	517.15 g/l
Volume Solids	55 ± 2% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	30 µm - 40 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	15,71 m ² /l without dilution at a dry film thickness of 35 µm. Loss factors during application are not considered.

DRYING

Drying

	10 °C	25 °C	35 °C
Touch	8 hours	5 hours	3 hours
Manipulation	36 hours	24 hours	16 hours
Final	240 hours	168 hours	24 hours

Recoat Drying

	10 °C	25 °C	35 °C
Minimum	48 hours	24 hours	16 hours
Maximum	72 hours	48 hours	24 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.

Accumulated dirt must be removed using a dry brush, and soluble salts must be removed by washing with fresh water under high pressure.

Concrete Surfaces



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.

Very smooth and glassy surfaces are not suitable for painting and should be treated according to technical guidance.

If the maximum interval indicated for applying the subsequent coat is exceeded, surface sanding is necessary to achieve adhesion between layers.

Before starting painting, all masonry or concrete must be free of cracks, fissures, or air pockets, and fully adhered to the substrate or to other layers of mortar and coating.

For the application of W-THANE DRV 564 R, proceed according to the guidance of our technical department to achieve the expected best performance. Factors such as the condition of the surface, roughness, presence of contaminants, and other details are of fundamental importance for the proper execution of surface preparation.

Observe the primer recoat interval before applying W-THANE DRV 564 R, which should be applied in two coats for optimal performance. If the recoat time is exceeded, sanding must be carried out as described in the technical bulletin of the primer used.

In situations where the nature of the primer is unknown, it is recommended to test the compatibility of W-THANE DRV 564 on a small area. Ensure that the original material is well adhered. All non-adherent paint must be removed. Areas with corrosion or application over aged paints should be treated according to technical guidance.

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 weight: 100 A x 67 B.
Thinner	PU DILUENT 5003
Dilution	Depending on the application method, dilute to a maximum of 20%.
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.
Induction Time	Wait 15 minutes before application. In very hot locations, we recommend consulting WEG's Technical Department.

APPLICATION METHODS

Airless Spray Gun	Airless: Use minimum pump 60:1 Fluid pressure: 1500 - 2500 psi Hose: 1/4" inner diameter Nozzle: 0.013" - 0.017".
Roller	Use a short-haired, seamless wool or synthetic roller for epoxy paints. Recommended only for small areas or touch-ups. Use a low-pile seamless wool roller or synthetic roller for epoxy paints.
Brush	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. Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch-ups.

Cleaning of the equipments:

PU DILUENT 5003

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.
Clean all equipment immediately after use.
Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.

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.

Do not apply under adverse conditions, such as RH above 85%, as gloss and color may slightly change. Do not apply on condensed surfaces.

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.

When applying by brush or roller, two or more coats may be necessary to achieve a uniform layer and recommended film thickness.

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.

SYSTEM COMPATIBILITY AND MAINTENANCE REPAINTING

The primer repainting interval must be respected for the application of the topcoat. If the maximum interval indicated is exceeded, manual/mechanical sanding with sandpaper to remove gloss is necessary. The primer surface must be dry and free of contaminants.

Direct application of the product over zinc-rich primers based on ethyl silicate, alkyd primers, coal tar-based paints, and other single-component primers is not recommended. When topcoat application over any of the above primers is required, we recommend applying a suitable intermediate product.

Note: W-THANE DRV 561, when applied over epoxy and exposed to ultraviolet light, does not prevent yellowing of the epoxy paint.

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.