

W-LACK ENA 18

PRODUCT DESCRIPTION

Air-drying alkyd resin topcoat.

RECOMMENDED USE

Indicated for painting machinery and equipment subject to low physical and chemical aggressiveness.

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

Single Component

3.6L Package containing 3.6L
20L Package containing 20L

CHARACTERISTICS

Color	According to customer standard. RAL and Munsell chart.
Gloss	Gloss (>80 UB) W-LACK ENA 181 Semi-gloss (60 - 80 UB) W-LACK ENA 182 Semi-matte (30 - 60 UB) W-LACK ENA 183 Matte (15 - 30 UB) W-LACK ENA 184
VOC content	433.07 g/l
Volume Solids	40 ± 5% (ISO 3233)
Shelf Life	12 months
Dry Film Thickness	30 µm - 40 µm
Dry Heat Resistance	Maximum temperature 60 °C. Organic coatings can undergo changes in color, gloss, and adhesion when exposed to temperatures above 60 °C.
Theoretical Coverage	11,43 m ² /l without dilution at a dry film thickness of 35 µm. Loss factors during application are not considered.

DRYING

25 °C

Touch Dry:	5 h
Handle Dry:	1 day 12 h
Full Cure:	3 days
Minimum recoat drying time:	5 h
Maximum recoat drying time:	1 day 12 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.

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.

Respect the product recoat interval. If exceeded, perform light manual/mechanical sanding to break gloss and clean dust/residues for better adhesion between coats.

APPLICATION PREPARATION

Mixing

Homogenize the content of the container using



		mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
	Thinner	RAZ SOLVENT
	Dilution	Depending on the application method, dilute to a maximum of 25%.
	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	Not relevant.

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 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:	RAZ SOLVENT
	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. 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

White and off-white colors tend to yellow in outdoor environments. The colors on the color chart may present slight shade variation compared to the final finish, due to ambient light and the type of surface used.

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.

For optimal application properties, the paint temperature should be between 21°C and 27°C before



mixing and application.

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 3°C above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

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.

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

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.

If Yellow Wash Primer is used, no white topcoat of this line should be applied.

Under adverse weather conditions in indoor and/or outdoor environments with high relative humidity, rain or drizzle, low or very low temperatures, and excessively high temperatures, variations in color and other product characteristics may occur. Please consult WEG's Technical Department for more information.

SYSTEM COMPATIBILITY AND MAINTENANCE REPAINTING

For topcoat application over the product, the repainting interval must be respected; the surface must be dry and free of contaminants.

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.

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