

TECHNICAL DATA SHEET



W-LACK ACA 11

PRODUCT DESCRIPTION: High-performance modified alkyd resin-based topcoat. It provides good coverage and color retention in outdoor environments.

RECOMMENDED USES: Used as topcoat above the waterline in metal structures, equipment and different kinds of machinery.

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
	Monocomponent	0.95	0.95	GAL

CHARACTERISTICS:	Color:	Ral, Munsell or as per customer standard.		
	Gloss:	Gloss	>80 UB	ACA 111
		Semigloss	60 – 80 UB	ACA 112
		Semi matte	30 – 60 UB	ACA 113
		Matte	15 – 30 UB	ACA 114
		Ultra matte	0 – 15 UB	ACA 115
	Volume solid:	40 ± 5% (ISO 3233).		
	Shelf-Life (77°F):	12 months		
	Thickness per coat (dry):	1,18 mils – 1,57 mils		
	Theoretical coverage:	464.55 ft ² /gal without dilution in the thickness of 1.38 mils dry. Without considering loss factors in application.		
	Resistance to dry heat:	Maximum temperature 140 °F Organic coatings can undergo alterations of color, gloss and adherence when exposed to temperatures exceeding 140 °F		

Drying:

	77 °F
Touch:	3 hours
Handling:	24 hours
Final:	72 hours

Overcoating Drying:

	77 °F
Min	5 hours
Max	24 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.

Application over primer

The product must be directly applied to a specific primer in order to form a suitable coating system.

The primer surface should be clean, dry and free of any contaminants, and the topcoat should be applied within the specific primer overcoating interval (refer to the primer data sheet).

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 the package by means of mechanical or pneumatic agitation. Ensure that no sediment is settled at the bottom of the package.

Diluent

Dilution

Depending on the application method, dilute at most. 25%

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

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

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)

Not relevant

APPLICATION FORMS

The data below is a guide, and similar equipment may be used.

In the spray application, make a 50% overlap in each gun pass, concluding with a cross pass. This technique is used to avoid uncovered and unprotected areas and to obtain a suitable aesthetic finish.

Recoat all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.

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.

The data below is a guide, and similar equipment may be used.

Conventional gun:

Gun: JGA 502 DevilBiss or equivalent

Fluid nozzle: FX

Air cap: 704

Atomization pressure: 50 - 70 psi

Pressure in the tank: 10 - 20 psi

TECHNICAL DATA SHEET



Dilution: 25%

Airless Gun:

Use Airless: Use at least pump 60: 1
Fluid pressure: 1500 - 2500 psi
Hose: ¼" internal diameter
Nozzle: 0,013" - 0,017"

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.

Roller:

Only recommended for small areas or retouching. Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.

For application with brush and/or roller, two or more passes may be necessary to obtain a uniform layer according to the recommended film thickness per coat.

Cleaning the equipment:

Alkydic diluent 1024
Clean all equipment immediately after use.

Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

Furthermore, it is a good working practice to periodically wash the spray equipment along the day. The cleaning frequency will depend on the amount sprayed, temperature and elapsed time, including all delays.

NOTE:

PERFORMANCE IN THE APPLICATION

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

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.

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.

Light colors may require more than one coat for an even coverage.

Before application, the weather conditions must be observed: There should be no threat of rain or drizzle. The surface temperature must be at least 3°C (37.4°F) above the dew point and the relative humidity must not exceed 85%.

Under adverse weather conditions indoors and/or outdoors with high relative humidity, rain, or drizzle, low or low temperatures and excessively high temperatures, variations in color and other product characteristics may occur. Consult the WEG Technical Department for more information. We recommend coating only if the surface temperature is at least 3°C (37,4°F) above the dew point temperature.

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.

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

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the coat may interfere in the product drying time.

For further information, consult WEG Technical Department.

COMPATIBILITY OF SYSTEMS AND MAINTENANCE REFINISHING

The primer overcoating interval should be respected before applying the topcoat. If the maximum recommended overcoating interval is exceeded, manual/mechanical sanding is necessary to break the gloss. The primer surface must be dry and free of any contaminants.

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.

Some information contained in this datasheet are estimated, and can undergo variances arising from factors outside the manufacturer's control. Thus, WEG does not guarantee and does not assume any responsibility regarding the yield, performance or any other material or personal damage resulting from the incorrect use of the products concerned or the information contained in this Technical datasheet.

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.

