

## W-LACK NRD 13

**PRODUCT DESCRIPTION:** Two-component reactive finishing primer based on nitrocellulose resin and alkyd resin. Extra fast drying, with good adhesion and flexibility.

**RECOMMENDED USES:** Excellent for painting machinery, parts and equipment on ferrous and non-ferrous surfaces.

**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
	Component A	20	20	L
	Component B	20	20	L

<b>CHARACTERISTICS: Color:</b>	Ral, Munsell or as per customer standard.		
<b>Gloss:</b>	Semigloss	60 – 80 UB	NRD 132
	Semi matte	30 – 60 UB	NRD 133
	Matte	15 – 30 UB	NRD 134
	Ultra matte	0 – 15 UB	NRD 135
<b>Volume solid:</b>	19 ± 2% (ISO 3233).		
<b>Expiry Date:</b>	06 months at 25°C		
<b>Thickness per coat (dry):</b>	20 µm – 30 µm		
<b>Theoretical coverage:</b>	6,92 m <sup>2</sup> /l without dilution in the thickness of 25 µm dry. Without considering the loss factors in the application.		
<b>Resistance to dry heat:</b>	Maximum temperature 60 °C Organic coatings can undergo alterations of color, gloss and adherence when exposed to temperatures exceeding 60 °C		
<b>Drying:</b>	<b>25°C</b>		
<b>Touch:</b>	20 minutes		
<b>Handling:</b>	1 hour		
<b>Final:</b>	72 hours		
<b>Repainting</b>	<b>25°C</b>		
<b>Drying:</b>	Min	5 hours	
	Max	24 hours	

**SURFACE PREPARATION** The performance of this product is related to the degree of surface preparation.

The accumulated dirt must be removed using a dry brush, clean and dry cloth, compressed air blow, vacuum cleaner and/or with the combination of such items, and the soluble salts must be removed through wash with a great quantity of fresh water, preferably with low pressure (up to 5,000 psi) according to SSPC-SP 12/NACE No. 5.

**Surface treatment by Degreasing with solvents**

Completely remove oil from the surface with clean cloths soaked in cleaning solvent according to SSPC SP1. Whenever cleaning a surface with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

**Application over primer**

**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 each component by means of mechanical or pneumatic stirring (A and B). Ensure that no sediment is settled at the bottom of the package. Add component B to component A, at the recommended proportion (volume), under stirring, until complete homogenization, observing the mixing ratio.

### Mixing ratio (Volume)

1 A X 1 B.

### Diluent

Diluent 1001

### Dilution

Depending on the application method, dilute at most 5%

Only add the diluent after the complete mixing of components A + B.

### Pot life of the mixture (25°C)

24 h

## APPLICATION FORMS

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

Reinforce 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 the spraying characteristics.

Before the application, make sure the equipment and its components are clean and in the best condition.

Purge the compressed air line to prevent contamination of the coating.

After mixing the 2-pack products, if there are stops in the application, and the pot life is exceeded (the coating presents variation in its fluidity), it can no longer be diluted for further application.

### Conventional gun:

Gun:	JGA 502/3 Devilbiss or equivalent
Fluid nozzle:	EX
Air cap:	704
Atomization pressure:	60 - 65 psi
Pressure in the tank:	10 - 20 psi
Dilution:	5%

### Airless Gun:

Use Airless:	Use at least pump 60: 1
Fluid pressure:	1200 – 2200 psi
Hose:	¼" internal diameter
Nozzle:	0,013" - 0,017"

### Brush:

Only recommended for retouching small areas or stripe coat (screws, nuts, weld beads, sharp edges and retouching). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for retouching.

### Cleaning the equipment:

Diluent 1001

## NOTE:

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

Clean all equipment immediately after use.

## PERFORMANCE IN THE APPLICATION

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

In paintings executed on the seafront, if exposed to the action of sea air, we recommend to wash with fresh water between coats eliminating the settled impurities.

Minor variations in color, appearance and gloss (more noticeable in dark colors) may occur, as well as delay in curing and impairment of surface performance, when applied during periods of high air relative humidity, rainy days, low temperatures or in case the coated parts are put to dry outdoors.

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

For better application properties, the coating temperature should be between 21 - 27 °C prior to the mixing and application.

Do not apply the product after the pot life has expired.

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

For further information, consult WEG Technical Department.

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## 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](http://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 of the product and its packaging, as well as materials used during handling and application in the environment.

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## 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 prior 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 the behavior, safety, suitability or durability of the product.

Certain information contained in this datasheet is merely an estimate, 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.

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