



W-TERM END 120 R 300°C ALUMINIO

PRODUCT DESCRIPTION: Two component phenolic finishing primer, with aluminum pigmentation, offering light reflectance and resistance to weathering.

RECOMMENDED USES: Recommended for the painting of chimneys, furnaces, boilers, heat exchangers, pipes or other equipment that operates at temperatures up to 300°C.

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	3,14	3,6	L
	Component B	0,46	0,5	L

CHARACTERISTICS:	Color:	Aluminum		
	Gloss:	Metallic		
	Volume solid:	52 ± 2% (ISO 3233).		
	Shelf-Life:	12 months at 25°C.		
	Thickness per coat (dry):	20 µm –30 µm		
	Theoretical coverage:	20,8 m2/l without dilution in the thickness of 25 µm dry. Without considering loss factors in application.		
	Resistance to dry heat:	Maximum temperature 300 °C . The product retains its physical and chemical properties up to the temperature of 300 °C . However, above variations in the coating color and gloss may occur.		
	Drying:			
		10°C	25°C	35°C
	Touch:	3,5 hours	2 horas	2,5 hours
	Handling:	18 hours	16 hours	14 hours
	Final:	96 hours	72 hours	60 hours
	Overcoating Drying:	10°C	25°C	35°C
		Min 28 hours	24 hours	22 hours
		Max 52 hours	48 hours	44 hours

SURFACE PREPARATION The performance of this product is associated with the degree of surface preparation.

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

Surface treatment by the layer conversion process (phosphating)
The product W-TERM END 120 can be applied on phosphatized surfaces.
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.

Maintenance and repair

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.

PREPARATION FOR APPLICATION

For further information, consult WEG Technical Department.

Mixture

Homogenize the contents of each component with mechanical or pneumatic stirring (A and B). Check there are no sediment 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)

6.8 A X 1 B.

Mixing ratio

2,82kg A X 0,67kg B in weight

Diluent

Alkydic diluent 1024

Dilution

Depending on the application method, dilute at most. 10%

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

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 (25°C)

Not relevant

APPLICATION FORMS

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

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.

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

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

Conventional gun:

Gun: JGA 502/3 Devilbiss or equivalent
Fluid nozzle: FF or E

Air cap: 704
Atomization pressure: 60 - 65 psi
Pressure in the tank: 10 - 20 psi
Dilution: 10%

Airless Gun:

Use Airless: Use at least pump 60: 1
Fluid pressure: 1500 - 2500 psi
Hose: 3/4" 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.

Cleaning the equipment:

Alkydic diluent 1024

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.

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

NOTE:

Clean all equipment immediately after use.

PERFORMANCE IN THE APPLICATION

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

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.
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.

We recommend coating only if the surface temperature is at least 3 °C above the dew point temperature.

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.

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

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

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

The application of thickness above the recommendation in a single coat, number of coats exceeding the specification, premature application of the subsequent coat, decrease of the ambient temperature and increase of the air relative humidity during the drying are factors that may delay the drying and cause flaws in the structure of the film, such as wrinkling, cracking, peeling, among others.

For further information, consult WEG Technical Department.

COMPATIBILITY OF SYSTEMS AND MAINTENANCE REFINISHING

The direct application of this product on zinc-rich ethyl silicate-based primers, alkyd primers, coal tar-based coatings and other single-component primers is not recommended. When necessary to apply the topcoat over one of the primers mentioned above, we recommend the application of an appropriate intermediate coating.

In situations where the nature of the primer is unknown, it is recommended to test the compatibility of the product in a small area. Check the original material is well adhered. All loose coating must be removed. Points with corrosion or application over aged coatings should be treated according to technical guidance.

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.

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