



W-POLI LEP 451

PRODUCT DESCRIPTION: Primer or polyaspartic intermediate, bicomponent. Features high solids, good retention to color and gloss, Extra fast drying. Provides excellent protection barrier, high resistance to abrasion, impact, excellent surface hardness and impermeability.
It can be applied in a single coat in high thickness directly to the substrate or on the putty. Items that meet Rohs Directive have the R description in the product nomenclature.

INTENDED USES: Recommended to eolic wind blades.

PACKAGING: Component A W-POLI LEP 451
Component B W-POLI 4502 LEP

PRODUCT INFORMATION:	Colors	Ral, Munsell or according to clients standards.		
	Gloss/ Aspect	Glossy		
	Volume Solids	99 ± 2% (ISO 3233 - 1998)		
	Specific Weight	1,57 g/cm ³		
	Shelf Life	12 months at 25°C		
	Dry Film Thickness	125 – 175 micrometers dry.		
	Theoretical Coverage	4,2 m ² /kg in thickness of 150 micrometers dry. Without considering the loss factors in application.		
	Drying Information			
	Final	20°C	25°C	35°C
		216 hours	168 hours	144 hours
Overcoating Data				
	20°C	25°C	35°C	
Min.	35 minutes	25 minutes	15 minutes	
Max.	-	-	-	

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SURFACE PREPARATION

The performance of this product is associated with the degree of surface preparation. Completely remove oil, grease, fat and impurities.

The accumulated dirt must be removed, using a dry brush and the soluble salts must be removed, washing with fresh water at high pressure.

Preparation by Sanding

For application on fiber, perform sanding followed by the removal of the dust and other impurities. For application on putty, perform sanding until the complete removal of the gloss followed by the removal of dust and other impurities.

For further information, consult the Technical Department of WEG (tintas@weg.net).

APPLICATION

Mixture

Add the component B to the component A, in the proportions (weight) indicated.

Mix Ratio (weight)

100g component A X 21g component B

Thinner

No diluent required.

Pot Life / Exothermic Spike at 25°C

Time (min)	Temperatures (°C)
2	27
4	32
7	39
10	40

Note: In places of great heat, we recommend contacting the Technical Department of WEG.

APPLICATION METHODS

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

Before application ensure that the equipment and respective components are clean and in the best condition.

Application by roller.

Cleaning of the Equipment: Use PU Diluent 5003.

APPLICATION PERFORMANCE

For a better performance of this product, please follow the orientations below:

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

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

There may occur small variances of color, aspect and gloss of the parts applied in periods of high relative air humidity rainy days, in places with low temperatures or in situations in which the parts are applied and placed to dry in external environments.

The temperature of the substratum and climatic and environmental conditions may interfere in the drying time of the product.

For better application properties, the paint temperature shall be between 21-27°C, before mixing and application.

It shall not be applied in adverse conditions, such as relative air humidity (URA) above 85%, as the gloss and color may undergo small alterations. It must not be applied on condensed surfaces.

On freshly painted surfaces in direct contact with water during curing process, it may occur spotting along with changes in the color (more visible in dark colors), delayed healing and compromising the performance of the product.

For further information contact the Technical Department of WEG (tintas@weg.net).

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**SYSTEM
COMPATIBILITY AND
MAINTENANCE
RECOATING**

For further information, consult the Technical Department of WEG (tintas@weg.net).

**SAFETY
PRECAUTIONS**

Before handling this product it is essential to read carefully all the information contained in the chemical product safety information sheet (MSDS), available at our site (www.weg.net).

The preparation of the surface, handling and use of paints during the painting and drying, as it concerns inflammable products, must be performed in ventilated places, far from flames, sparks or excessive heat, using appropriate personal protection equipment (PPE) for the stage to be executed.

Contact with the skin can cause irritation.

If swallowed, do not induce vomiting. In the case of contact with the eyes, wash them abundantly with water. In either case, seek medical aid immediately.

Do not smoke in the work area.

Ensure that the electrical installations are perfect and do not cause sparks.

Do not use diluent to clean the skin, hands and other parts of the body. To clean the hands use alcohol, and then wash with water and appropriate cleaning pastes.

If there is a fire, use CO2 or chemical powder extinguishers. It is not recommended to use water to extinguish the fire produced by burning paint.

Paints and diluents must be stored in ventilated places protected from bad weather. The temperature can oscillate between 10 and 40°C.

If symptoms of intoxication by inhaling chemical vapors occur, the intoxicated person must be removed immediately from the work place to ventilated places.

If fainting, call a doctor immediately.

Product intended for use and handling of professionals linked to the painting area.

This product shall be applied and used, in compliance with all the National Health, Safety and Environment standards and regulations.

If it is necessary to remove the paint already applied and hardened from the substratum, the operator and the people who are in the same environment shall use appropriate personal protection equipment (PPE), as indicated in the safety information sheet (MSDS).

In situations where it is necessary to execute processes of welding metallic parts painted with this product, powder and gases will be released (smoke) which will require the use of appropriate personal protection equipment (masks with activated charcoal filters and even remote air supply equipment) in accordance with each environment.

The applications in confined areas require suitable ventilation, besides specific methods and procedures. For these situations contact the safety area of your company.

For further information contact the Technical Department of WEG (tintas@weg.net).

NOTE

The information contained in this technical bulletin 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 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 bulletin 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 Bulletin.

The information contained in this technical bulletin 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.

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