



W-CRIL SEA 851 PEM

PRODUCT DESCRIPTION: Melamine acrylic finish dried in oven, with excellent physical resistance. Excellent color and gloss retention when compared to conventional products.

INTENDED USES: Indicated in the painting of panels, machines, equipment, metal structures.

PACKAGING: W-CRIL SEA 851 PEM - Bucket (20l)

PRODUCT INFORMATION:	Colors	Ral, Munsell or according to client standard.	
	Gloss/ Aspect	SEA 851 - Glossy	> 80 UB
		SEA 852 - Semi Gloss	60 - 80UB
		SEA 853 - Semi Matte	30 - 60UB
		SEA 854 - Matte	15 - 30UB
		SEA 855 - Ultra Matte	0 - 15UB
	Volume Solids	46 ± 2% (Depending on the color)	
	Original Viscosity	50 ± 5" (CF4)	
	Shelf Life	12 months	
	Application Method	Electrostatic spray gun	
	Dry Film Thickness	35 – 45 micrometers dry.	
	Theoretical Coverage	11,60m ² /liters in thickness of 40 micrometers dry without dilution. Without considering the loss factors in application.	
	Resistance to Dry Heat	Maximum Temperature 200°C. Organic coatings may change color, gloss and adhesion when exposed to temperatures above 200 ° C.	
	Drying Information		
		Temperature	Time
	Dried in Oven	140°C	20 minutes
	Flash off 10 minutes:	160°C	10 minutes
	OBS: This product allows repainting on the same base without sanding or gloss breaking.		

COPY FOR INFORMATION



SURFACE PREPARATION

O W-CRIL SEA 851 deve ser aplicado sobre superfície de aço carbono devidamente tratadas por limpeza com solventes, desengordurantes ou fosfatização.

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

APPLICATION

Mixture

Homogenize the contents of the packaging manually. Ensure that no sediment is retained at the bottom of the packaging.

Thinner

Recommended – Diluent Alkyd 1027

Dilution

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

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

APPLICATION METHODS

The data below is a guide, similar equipment being able to be used.

Changes in the pressures and sizes of the nozzles may be required to improve the spraying features.

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

Empty the compressed air line to avoid contamination of the paint.

Reinforce all the sharp edges, cracks and weld beads with the wide paintbrush, to avoid premature flaws in these areas. When applying by spraying, make an overlap of 50% of each spray gun application, to avoid having uncovered and unprotected areas, ending with a cross transfer.

Equipment Cleaning: Use Diluent Alkyd 1027.

Do not leave material in the hoses, spray guns and spraying equipment.

Wash all the equipment used completely.

Note: The theoretical coverage is calculated on the basis of solids by volume without dilution, and does not include losses due to surface roughness, type of geometry of parts, application methods used, application conditions, and inadequate thickness or applicator techniques.

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APPLICATION PERFORMANCE

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

For application by wide paintbrush, it may be necessary to employ in two or more strokes in order to obtain a uniform layer in accordance with the film thickness recommended per coat.

Light colors may require more than one coat to obtain a uniform coverage.

Not recommended for internal painting of tanks.

In painting executed on the coast, if exposed to the action of salty air, we recommend washing with fresh water between coats eliminating the impurities deposited.

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, as relative air humidity (RH) above 85% or condensed surfaces, as the gloss and color may undergo small alterations. They must not be applied on condensed surfaces.

Polyurethane systems (component A and B) have sensitivity when exposed to relative air humidity, able to cause defects in the dry film and reduce the pot-life. Therefore, we recommend that the packaging of each one of the components, after use, is duly closed and maintained in dry places protected from bad weather.

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.

In painting executed varying the method of applying paints in the same work, it may generate differences of gloss and final aspect of the parts painted.

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

SYSTEM COMPATIBILITY AND MAINTENANCE RECOATING

For further information contact 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.