



# W-PERFECTION PRIMER W-41

**PRODUCT DESCRIPTION:** Acrylic polyurethane varnish, bicomponent, extra-fast drying and high gloss for use in automotive refinishing. Offers excellent weather resistance.

**INTENDED USES:** Indicated for application on metallic polyester base, pearlescent and smooth, complementing the double layer system.

**PACKAGING:** 3,6 L

**PRODUCT INFORMATION:**

|                               |                            |
|-------------------------------|----------------------------|
| <b>Shelf Life</b>             | 36 months                  |
| <b>Dry Film Thickness</b>     | 20 - 30 micrometers dry    |
| <b>Volume Solids</b>          | 40 ± 5%                    |
| <b>Viscos. De Application</b> | 12 - 14 seconds CF4 a 25°C |

**Drying Information**

|               |            |
|---------------|------------|
|               | 25°C       |
| <b>Toque</b>  | 15 minutes |
| <b>Handle</b> | 3 hours    |
| <b>Final</b>  | 4 hours    |



**SURFACE PREPARATION**

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

**APPLICATION**

**Mixture**

Add component B to component A, in the proportions (volume) indicated, under stirring, until complete homogenization, respecting the mixture ratio.

**Mix Ratio**

4A x 1B in volume

**Hardener**

W-CAR HARDENER 5541  
W-CAR HARDENER 5542

**Thinning**

No

**Pot Life**

1 hour

**Induction Period (25°C)**

No induction required.

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

**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 coating.

After mixing the bicomponent products, if stoppages occur in application, and they exceed the useful life of the mixture (where the coating has variance in its fluidity), it can no longer be diluted again for later application.

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.



**APPLICATION PERFORMANCE**

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

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

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

Product not recommended for the painting of internal parts of tanks.

If application occurs in maritime areas, it is recommended to wash the coated surfaces with freshwater between each coating, to remove all loose powdery deposits and soluble salts.

Do not apply the product after the mixture pot life, if this time is exceeded.

Surface temperature must always be a minimum of 3°C above dew point. Do not apply if temperature is below 0°C.

The temperature of the substrate, 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. Color, aspect and gloss changes can be noticed in the film when application occurs in high relative humidity periods, rainy or low temperature days or when the film is exterior exposed before curing.

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 weathering.

In recently painted surfaces in direct contact with water, during the cure process localized staining may occur with alteration in color (most visible in dark colors), delay in the cure and impairment in product performance.

In painting varying the application method of coatings in the same work, it may occur differences in gloss and final aspect of the coated surfaces.

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**SYSTEM COMPATIBILITY AND MAINTENANCE RECOATING**

The overcoating interval of the primer shall be respected for applying the top coat. If the maximum interval indicated is exceeded, it is necessary to proceed with manual / mechanical sanding to promote surface profile. The surface of the primer shall be dry and free of contaminants.

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**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](http://www.weg.net)).**

The preparation of the surface, handling and use of coatings 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 coating.

Coatings 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 coating 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 coated 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.

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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 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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