



W-NILICA PRIMER BLACK

PRODUCT DESCRIPTION: Primer with modifies vinyl resin base. Single component primer, with excellent promotion of adherence to carbon steel, aluminum, copper, blasted cast iron and chromed surfaces.
Items which comply with Directive Rohs have the description R in the product name

INTENDED USES: Indicated as primer for internal and external structure of equipment requiring excellent adherence. This product is versatile by being single component, ready for use and easy to apply. It has excellent covering. It has extremely quick drying, being able to be used in painting other equipment which requires the application of finishing soon afterwards.

PACKAGING: W-NILICA PRIMER PRETO – 10001416 Bucket (20 L)
W-NILICA PRIMER PRETO – 10001417 Gallon (3.6 L)

PRODUCT INFORMATION:	Colors	Black		
	Gloss	Ultra Matte	0 – 1 GU	
	Original Viscosity	14 ± 1" (CF4)		
	Volume Solids	9 ± 1%		
	Shelf Life	06 months		
	Dry Film Thickness	5 - 15 micrometers dry.		
	Theoretical Coverage	9.0 m ² /liter in thickness of 10 micrometers dry. Without considering the loss factors in application.		
	Resistance to dry heat	Maximum temperature 250°C. Organic coatings can undergo alteration of color, gloss and adherence when exposed to temperatures exceeding 250°C.		
	Drying Information			
	Ambient Temperature (25°C)	Touch Max. 5 minutes	Handle Max. 20 minutes	Final Max. 72 hours
Overcoating Data	Minimum 1 hour		Maximum 24 hours	

COPY FOR INFORMATION



SURFACE PREPARATION

The W-NILICA PRIMER shall be applied over a surface of aluminum and carbon steel treated with solvents or degreasing products.

The performance of this product is associated with the degree of preparation of the surface. Completely remove oil, grease and fat applying a degreasing product or as per the cleaning method with solvent of standard SSPC SP1.

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

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

APPLICATION

Homogenize the content of the packaging by means of mechanical or pneumatic stirring. Ensure that no sediment is retained at the bottom of the packaging.

Thinner

Recommended – Alkyd Diluent 1024

Thinning

Depending upon the application method, dilute **at most 5% in volume.**

Note: the dilution can vary in accordance with the requirement of adjustment of viscosity for application.

Do not dilute with solvents which are not allowed by the local legislation or exceed the dilution percentage indicated.

Excessive dilution of the paint can alter the forming of the film, the aspect and make it difficult to obtain the thickness specified.



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.

Airless spray gun:
Not recommended.

Conventional sprau gun:
Spray gun JGA 502/3
Fluid nozzle FX
Air cover 704
Atomization pressure 60 to 65 psi
Pressure in tank 10 to 20 psi
Dilution Max 5%

Wide paintbrush:
It is only recommended for finishing touches of small areas or “strip coat” (bolts, nuts, weld bead, sharp edges and finishing touches).

Roller:
Not recommended

Cleaning of equipment: Use Alkyd Diluent 1024.

Wash all the equipment used completely.



APPLICATION PERFORMANCE

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

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.

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.

Additional note:

Due to the technical characteristics of the product we inform that it does not always follow a reference standard and therefore can present risks, variations of color tonality, drying, presence of bubbles during the repainting of finishing paint and appearance between sequential batches. Phase separation and viscosity variations are also allowed.

Quality Technical Claims which are related to the characteristics above mentioned shall be considered as unfounded and without indemnity coverage.

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, at the electronic address indicated at the end of this technical bulletin.

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 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 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.