TECHNICAL DATA SHEET

W-NILICA PRIMER

PRODUCT DESCRIPTION

Single-component modified vinyl resin primer. Excellent adhesion promoter on carbon steel, aluminum, copper, cast iron, and chrome-plated surfaces.

RECOMMENDED USE

Indicated as an adhesion-promoting primer for the external structure of bus bodies, with excellent adhesion. Due to fast drying, can be used for painting other equipment requiring topcoat application immediately after primer application.

CERTIFICATIONS AND APPROVALS

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

PACKAGING

Single Component	0.95 US gal Package containing 0.95 US gal

CHARACTERISTICS

Color	White.
Gloss	Semi-Matte
Volume Solids	15 ± 2% (ISO 3233)
Shelf Life	6 months
Dry Film Thickness	0.4 mils - 0.6 mils
Dry Heat Resistance	Maximum temperature 140 °F. The product maintains its chemical properties up to a temperature of 140 °F, but from 140°F, color and gloss variations in the paint may occur.
Theoretical Coverage	489.0 ft²/gal without dilution at a dry film thickness of 0.5 mils. Loss factors during application are not considered.

DRYING

	77 °F
Touch Dry:	5 min
Handle Dry:	20 min
Full Cure:	3 days
Minimum recoat drying time:	1 h
Maximum recoat drying time:	24 h

SURFACE PREPARATION

Standard Surface Preparation

The performance of this product is related to the degree of surface preparation. In case of doubts, for more information, consult WEG's Technical Department.

Degreasing

Completely remove oils and greases by applying a degreasing product or according to the solvent cleaning method. Whenever cleaning surfaces with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

Carbon Steel Surfaces

The product must be applied over carbon steel surfaces properly treated by solvent cleaning or degreasers. Abrasive treatment or phosphating as required.

Aluminum Surfaces

Remove all dirt and grease from the surface using clean cloths soaked in Cleaning Solvent according to SSPC SP1. During all surface cleaning with cloths, avoid using rags or colored cloths.

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APPLICATION PREPARATION

Mixing	Homogenize the content of the container using mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
Thinner	DILUENT 1001
Dilution	Depending on the application method, dilute to a maximum of 50%.
Notes	The amount of Diluent may vary depending on the type of equipment used and environmental conditions during application. Only add Diluent after complete mixing of the other components. Do not dilute with solvents not allowed by local legislation, and do not exceed the indicated dilution percentage. Excessive dilution may affect film formation, appearance, and make it difficult to achieve the specified thickness.
Pot Life	Not relevant.

APPLICATION METHODS

Conventional Spray Gun	Spray gun: JGA 502/3 Devilbiss or equivalent Fluid nozzle: EX Air cap: 704 Atomization pressure: 60 - 65 psi Tank pressure: 10 - 20 psi.
Airless Spray Gun	Airless: Use minimum pump 60:1 Fluid pressure: 1200 - 2200 psi Hose: 1/4" inner diameter Nozzle: 0.013" - 0.017".
Roller	Not recommended. For application with brush and/or roller, it may be necessary to apply two or more coats to achieve a uniform layer and the recommended film thickness.
Brush	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups). Use a brush 3.0 to 3.94 inches wide for larger surfaces and 0.98 to 1.5 inches for touch-ups.
Cleaning of the equipments:	DILUENT 1001
Notes	The data presented serves as a guide and similar equipment may be used. Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination. Before application, ensure that the equipment and respective components are clean and in optimal condition. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.

APPLICATION PERFORMANCE

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh water between coats to remove deposited impurities.

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

For optimal application properties, the paint temperature must be between 69.8°F - 80.6°F before mixing and application.

We recommend painting only if the measured surface temperature is at least 5.4°F above the dew point.

Substrate temperature, climatic and environmental conditions during application and curing, as well as applied film thickness, may affect drying time.

For plastered walls, observe for bubbles or peeling due to moisture absorption, especially in lower areas, and absence of cracks or other defects that could affect performance. For other substrates, consult WEG Technical Department.

Paintings performed with varying application methods on the same project may result in differences in gloss and final appearance.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals. Carefully read all information contained in the SDS of this product, available at: www.weg.net.

Store in a covered and well-ventilated place. 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. Use protective gloves/protective clothing/eye protection/face protection.

Empty containers and materials with paint residues must be disposed of according to current legislation. Take care of the environment.

NOTE

The information contained in this technical bulletin is based on the experience and knowledge acquired in the field by WEG's technical team.

In the event of using the product without prior consultation with WEG regarding its suitability for the purpose for which the customer intends to use it, the customer acknowledges that the use will be at their own exclusive responsibility, and WEG is not liable for the behavior, safety, suitability, or durability of the product.

Some information mentioned in this bulletin is only an estimate and may vary due to factors beyond the manufacturer's control. Therefore, WEG does not guarantee and assumes no responsibility for performance, efficiency, or any material or personal damages resulting from the incorrect use of the products in question or from the information contained in this Technical Bulletin.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.

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