

W-TERM CVP 655

PRODUCT DESCRIPTION

Modified silicone-based primer, pigmented with zinc powder.

RECOMMENDED USE

Indicated for painting chimneys, furnaces, boilers, heat exchangers, pipelines, or other equipment operating at temperatures between 150°C and 500°C: 150-300°C - continuous period; 350-500°C - period up to 24 hours.

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

3.6L Package containing 3L

CHARACTERISTICS

Color	Gray.
Gloss	Ultra-Matte
Volume Solids	50 ± 2% (ISO 3233)
Shelf Life	12 months
Dry Film Thickness	1.6 mils (40 µm) - 2.0 mils (50 µm)
Dry Heat Resistance	Maximum temperature 932 °F (500 °C). The product maintains its chemical properties up to a temperature of 932 °F (500 °C), but from 150°C, color and gloss variations in the paint may occur.
Theoretical Coverage	407.5 ft ² /ga (10,00 m ² /l) without dilution at a dry film thickness of 2.0 mils (50 µm). Loss factors during application are not considered.

DRYING

Drying

Manipulation

10 °C	25 °C	30 °C
2 hours	1 hour	40 min

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.

The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, and fats according to SSPC-SP1.

Remove accumulated dirt using a dry brush, clean dry cloth, compressed air blow, vacuum, or a combination of these. Remove soluble salts by washing with plenty of fresh water, preferably under low pressure (up to 5,000 psi), according to SSPC-SP12/NACE No. 5 standard.

Hand and Power Tool Cleaning

If manual mechanical cleaning is not possible, alternatively perform commercial abrasive blasting, Sa 2 grade according to ISO 8501-1 visual standard (C Sa 2 and D Sa 2) or SSPC-SP 6/NACE No. 3, visual standard SSPC-VIS 1 (C SP 6, D SP 6).

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

ALKYDIC DILUENT 1024

Dilution

Depending on the application method, dilute to a



		maximum of 10%.
	Notes	Dilute according to recommendation. Only add the thinner after the A + B components are completely mixed. Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness. 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 Devilbiss or equivalent Fluid nozzle: FX Air cap: 704 Atomization pressure: 60 - 65 psi Tank pressure: 10 - 20 psi.
	Brush	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups). 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. Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch-ups.
	Cleaning of the equipments:	ALKYDIC DILUENT 1024
	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. Do not allow catalyzed product to remain in contact with application equipment, as at temperatures above the indicated "pot life", the paint will show variation in flow and will harden, making cleaning difficult. Before application, ensure that the equipment and respective components are clean and in optimal condition. After mixing two-component products, if there are application stops and the pot life has been exceeded (paint shows variation in flow), it can no longer be re-thinned for later application. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Clean all equipment immediately after use. Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment. It is considered good practice to periodically wash the spraying equipment during the day. The cleaning frequency depends on the amount sprayed, temperature, and elapsed time, including all delays.

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.
- For optimal application properties, the paint temperature should be between 21°C and 27°C before mixing and application.
- Painting is recommended only if surface temperature is at least 3°C above the dew point.



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

The maximum product performance is obtained when the painted equipment is put into operation at a temperature of 180°C to 230°C. It is recommended to slightly raise this temperature.

Must not be applied under adverse conditions, such as relative humidity (RH) above 85%, as color and appearance changes may occur.

For equipment operating below 150°C, a pre-cure of 30 minutes at 180°C is required.

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

Small variations in color, appearance, and gloss (more noticeable in dark colors), as well as delayed curing and performance compromise, may occur during high humidity, rainy days, cold locations, or when parts dry outdoors.

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.

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