# TECHNICAL DATA SHEET

# W-TERM CVA 660 UF 400°C

## PRODUCT DESCRIPTION

Single-component modified silicone-based finish paint. Heat-resistant up to 400ºC. Can be applied directly on carbon steel.

## RECOMMENDED USE

Indicated for painting chimneys, furnaces, boilers, heat exchangers, pipes, vehicle exhausts, or other equipment operating at temperatures between 150°C and 400°C.

## 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

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| **Single Component** | 3.6L Package containing 3.6L<br>20L Package containing 20L |

## CHARACTERISTICS

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| **Color** | Colors. |
| **Gloss** | Ultra-Matte |
| **Volume Solids** | 30 ± 2% (ISO 3233) |
| **Shelf Life** | 12 months |
| **Dry Film Thickness** | 0.8 mils (20 µm) - 1.2 mils (30 µm) |
| **Dry Heat Resistance** | Maximum temperature 752 °F (400 °C).<br>The product maintains its chemical properties up to a temperature of 752 °F (400 °C), but from 150°C, color and gloss variations in the paint may occur. |
| **Theoretical Coverage** | 489.0 ft²/ga (12,00 m2/l) without dilution at a dry film thickness of 1.0 mils (25 µm). Loss factors during application are not considered. |

## DRYING

| **Drying** | |
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| | **25 °C** |
| **Manipulation** | 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.

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.

**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.

**Over Primer**

Respect the product recoat interval. If exceeded, perform light manual/mechanical sanding to break gloss and clean dust/residues for better adhesion between coats.

**Over Aged Coating**

The product must be applied over Zinc Ethyl Silicate N 1661 or Zinc and Aluminum Ethyl Silicate N 2231 to form a coating system with anticorrosive protection and high-temperature resistance. For proper application, refer to the primer technical data sheet.



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## APPLICATION PREPARATION

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| **Mixing** | Homogenize the content of the container using mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container. |
| **Thinner** | Not applicable. |
| **Dilution** | Ready to use. |
| **Notes** | No dilution is required. Product ready to use. If necessary, consult the WEG Technical Department. |
| **Pot Life** | Not relevant. |

## APPLICATION METHODS

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| **Conventional Spray Gun** | Spray gun: JGA 502/3 Devilbiss or equivalent<br>Fluid nozzle: EX<br>Air cap: 704<br>Atomization pressure: 60 - 65 psi<br>Tank pressure: 10 - 20 psi. |
| **Roller** | Use a short-haired, seamless wool or synthetic roller for epoxy paints.<br>Recommended only for small areas or touch-ups. Use a low-pile seamless wool roller or synthetic roller for epoxy paints.<br>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). |
| **Cleaning of the equipments:** | Not applicable. |
| **Notes** | The data presented serves as a guide and similar equipment may be used.<br>Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination.<br>Before application, ensure that the equipment and respective components are clean and in optimal condition.<br>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.<br>Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas.<br>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.

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.

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.

Repainting is not recommended; only touch-up where necessary.



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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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