TECHNICAL DATA SHEET

W-TERM CVA 660 PRETO 600°C

PRODUCT DESCRIPTION:

One component finish paint based on modified silicone, high temperature resistant and can be applied directly to steel carbon or on the W-TERM CVD 660 primer.

RECOMMENDED USES:

Recommended for coating exhaust pipes, chimneys, furnaces, boilers, heat exchangers, pipes or other equipment that operate at temperatures:

150 - 350 ºC (302 - 662°F) - continuous period

350 - 500 ºC (662 - 932°F) - periods of up to 24 hours

500 - 600 ºC (932 - 1112°F) - periods of up to 1 hour

CERTIFICATIONS AND APPROVAL:

This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.

PACKAGING:

Component	Content	Package	Unit of measurement
Monocomponent	20	20	L

CHARACTERISTICS:

Color:	Black
Gloss:	Matte
Volume solid:	55 ± 2% (ISO 3233).
Shelf-Life:	12 months at 25°C. (77°F)
Thickness per coat (dry):	20 µm –30 µm
Theoretical coverage:	12 m2/l without dilution in the thickness of 25 µm dry. Without considering loss factors in application.
Resistance to dry heat:	Maximum temperature 600 °C (1.112 °F) . The product retains its physical and chemical properties up to the temperature of 600 °C (1.112 °F) however, variations in the coating color and gloss may occur from 150 ºC (302°F).

Drying:

	10 °C	**25ºC**	**35 °C**
Handling:	2 hours	40 minutes	35 minutes

NOTE: For equipment operating below 150 °C (302°F), it is necessary a pre-cure of 30 minutes at 180 °C (356°F).

SURFACE PREPARATION

The performance of this product depends on the degree of surface preparation.

The surface must be clean and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP 1 standard.

Surface treatment by Degreasing with solvents

Completely remove oil from the surface with clean cloths soaked in cleaning solvent according to SSPC SP1. Whenever cleaning a surface with cloths, replace them to avoid saturation. Do not use cotton waste or colored cloths.

Refinishing of surfaces with aged coating in good conservation conditions

The application on aged paint can be done as long as it is a temperature resistant paint and is strongly adhered. We recommend proceeding with manual / mechanical sanding to provide better adhesion between coats, cleaning the surface as described, removing the formed dust.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Homogenize the contents of the package by means of mechanical or pneumatic agitation. Ensure that no sediment is settled at the bottom of the package.

Diluent
Alkydic diluent 1024

Dilution

Depending on the application method, dilute at most. 5%

The quantity of diluent may vary depending on the type of equipment used and the ambient conditions during the application.

Do not dilute with solvents that are not allowed by local legislation and do not exceed the recommended dilution percentage.

Excessive dilution of the coating may affect the formation and aspect of the film and not allow to reach the specified thickness.

Pot life of the mixture (25°C) (77°F)

Not relevant

In hot areas, we recommend consulting WEG Technical Department.

APPLICATION FORMS

The data below is a guide, and similar equipment may be used.

The data below is a guide, and similar equipment may be used.
Changes in nozzle sizes and pressures may be necessary to improve spraying characteristics.
Before application, check if the equipment and its components are clean and in best condition.
Purge the compressed air line to prevent contamination of the coating.

After mixing two-component products, if there are stops in the application, and pot life is exceeded (the coating shows variation in fluidity) it can no longer be diluted for further application.

Recoat all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.

Conventional gun:

Gun:	JGA 502/3 Devilbiss or equivalent
Fluid nozzle:	EX
Air cap:	704
Atomization pressure:	60 - 65 psi
Pressure in the tank:	10 - 20 psi
Dilution:	5%

Brush:

Only recommended for touch up small areas or stripe coat (screws, nuts, weld and sharp edges). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch up.

Roller:

Only recommended for small areas or retouching. Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.
NOTE: For application by cutting it may be necessary to apply two or more passes to obtain a uniform layer according to the film thickness recommended by others.

Cleaning the equipment:

Alkydic diluent 1024

NOTE: Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

PERFORMANCE IN THE APPLICATION

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

In paintings carried out in front of the sea, if exposed to sea air, we recommend to wash with fresh water between coats eliminating settled impurities.

We recommend coating only if the surface temperature is at least 3°C (37,4°F) above the dew point temperature.

Variations in color, aspect and gloss (more noticeable in dark colors) may occur, as well as delay in curing and low coating performance, when applied during periods of high air relative humidity, rainy days, low temperatures or drying the coating outdoor.

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the coat may interfere in the product drying time.

For better application properties, the coating temperature should be between 21°C - 27 °C (69.8°F - 80.6 °F) prior to the mixing and application.

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

In coatings with variation in application method in the same job, the final aspect and gloss of the painted surfaces may show differences.

Refinishing is not recommended; only retouching where necessary.

Full cure is achieved when the equipment goes into operation reaching a temperature above 150°C (305°F).

For equipment operating below 150°C (302 °F), a 30-minute pre-cure at 180°C (356 °F) is required.

The maximum performance of the product is obtained when the painted equipment starts operating at a temperature of 180°C (356 °F) to 230°C (446 °F). It is recommended to raise this temperature slightly.

The adhesion test can only be performed after the film has completely cured.

Discoloration may occur when subjected to high temperatures.

For further information, consult WEG Technical Department.

SAFETY PRECAUTIONS

Product developed for industrial use intended for handling by qualified professionals.

Please read carefully all the information contained in the MSDS of this product, available at: www.weg.net.

Store in a covered, well-ventilated area. 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.

Wear protective gloves / protective clothing / eye protection / face protection.

Avoid release this product and its packaging, as well as materials used during handling and application in the environment.

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 previous 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 behavior, safety, suitability or durability of the product.

Some information contained in this datasheet are estimated, 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.

The information contained in this technical datasheet 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.