

W-WEATHER CVA 472

PRODUCT DESCRIPTION:	High performance, single-component, polysiloxane acrylic finish and excellent resistance to weathering. Offers good coverage and applicability.
RECOMMENDED USES:	Indicated for painting metallic structures, external and concrete surfaces. Initially developed for application as a maintenance finish in industrial and offshore applications, such as exterior storage tanks, piping, structural steel and structures in which a high standard is required.
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	3,6	3,6	L

CHARACTERISTICS:	Color:	Ral, Munsell or as per customer standard.
	Gloss:	Semigloss 60 – 80 UB
	Volume solid:	90 ± 2% (ISO 3233).
	Expiry Date:	12 months at 25°C.
	Thickness per coat (dry):	50 µm – 75 µm
	Theoretical coverage:	14,4 m ² /l without dilution in the thickness of 70 µm dry. Without considering the loss factors in the application.
	Resistance to dry heat:	Maximum temperature 90 °C . The product retains its physical and chemical properties up to the temperature of 90 °C however, variations in the coating color and gloss may occur from 60 °C.
	Drying:	
		25°C
	Touch:	30 minutes
	Handling:	3 hours
	Final:	168 hours
	Repainting Drying:	25°C
		Min 12 hours
		Max 48 hours

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

Surface treatment through Abrasive Blasting process

Execute the abrasive blasting to near white metal, Sa 2 ½ grade of the ISO 8501-1 visual standard (A Sa 2 ½, B Sa 2 ½, C Sa 2 ½ and D Sa 2 ½) or according to SSPC-SP 10/NACE No. 2, SSPC-VIS 1 visual standard (A SP 10, B SP 10, C SP 10, D SP 10, G1 SP 10, G2 SP 10, G3 SP 10).

Surface preparation by Sanding

Sand until the complete removal of gloss, and then remove the dust and other impurities. Clean the surface again with cloths soaked in diluent and change them frequently. Whenever cleaning a surface with cloths, avoid the use of cotton waste or colored cloths.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

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

This product reacts with the humidity of the air, therefore, after opening the package, it must be used and then closed, otherwise skin formation may occur. Thicknesses greater than specified may cause the film

to flake.

Diluent
Epoxi diluent 3024

Dilution
Depending on the application method, dilute at most 20%

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 of the film and appearance and hinder the attainment of the specified thickness.

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

In hot areas, we recommend consulting WEG Technical Department.

APPLICATION FORMS

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

Changes in nozzle sizes and pressures may be necessary to improve the spraying characteristics.

Before the application, make sure the equipment and its components are clean and in the best condition.

Purge the compressed air line to prevent contamination of the coating.

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

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:	20%

Airless Gun:

Use Airless:	Use at least pump 60: 1
Fluid pressure:	1200 – 2200 psi
Hose:	¼" internal diameter
Nozzle:	0,015" - 0,021"
Dilution:	Max. 5%

Brush:

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

Roller:

Use a thin nap, seamless sheepskin or microfiber roller for epoxy coatings.
For application with brush and/or roller, application in two or more passes may be necessary to obtain a uniform layer according to the recommended film thickness per coat.

PERFORMANCE IN THE APPLICATION

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

In paintings executed on the seafloor, if exposed to the action of sea air, we recommend to wash with fresh water between coats eliminating the settled impurities.

We recommend coating only if the measured surface temperature is at least 3 °C above the dew point temperature.

Minor variations in color, appearance and gloss (more noticeable in dark colors) may occur, as well as delay in curing and impairment of surface performance, when applied during periods of high air relative humidity, rainy days, low temperatures or in case the coated parts are put to dry outdoors.

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 applied film may interfere with the product drying time.

TECHNICAL DATA SHEET



For better application properties, the coating temperature should be between 21 - 27 °C 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 the application method in the same job, the final appearance and gloss of the painted surfaces may present differences.

NOTE: Polysiloxane systems react with the humidity of the air and may suffer small variations in the dry film and its packaging, therefore, we recommend that the packages, after use, be properly closed and kept in dry places and protected from the weather.

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 of the 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 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 datasheet 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 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.