

W-CRIL HIDRO CVA 73

PRODUCT DESCRIPTION: Water-soluble finish based on acrylic resin.

RECOMMENDED USES: Recommended for painting industrial machines, parts and equipment exposed to normal environments.

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 3,6	20 3,6	L

CHARACTERISTICS:

Color: Ral, Munsell or as per customer standard.

Gloss:

Semigloss	60 – 80 UB	CVA 732
Semi matte	30 – 60 UB	CVA 733
Matte	15 – 30 UB	CVA 734
Ultra matte	0 – 15 UB	CVA 735

Volume solid: 38 ± 5% (ISO 3233).

Shelf-Life: 06 months at 25°C

Thickness per coat (dry): 30 µm – 40 µm

Theoretical coverage: 10,6 m²/l without dilution in the thickness of 35 µm dry. Without considering loss factors in application.

Resistance to dry heat: Maximum temperature 60 °C Organic coatings can undergo alterations of color, gloss and adherence when exposed to temperatures exceeding 60 °C

Drying:

	25°C
Touch:	30 minutes
Handling:	30 minutes
Final:	168 hours

Overcoating Drying:

	25°C
Min	6 hours
Max	24 hours

Obs

The product can be accelerated in an oven as per customer requirements. Contact the WEG technical department for further information.

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

The accumulated dirt must be removed using a dry brush, clean and dry cloth, compressed air blow, vacuum cleaner and/or with the combination of such items, and the soluble salts must be removed through wash with a great quantity of fresh water, preferably with low pressure (up to 5,000 psi) according to SSPC-SP 12/NACE No. 5.

Application over primer

The product can be directly applied to a specific primer in order to form a suitable coating system.

Observe the primer overcoating interval before applying the product. If the primer overcoating time is exceeded, sand as described in the primer data sheet. In coatings made on a primer after the overcoating interval, the adhesion values according to ASTM D 4541 may present lower values than those specified by Petrobras standard N 2913.

NOTE: Observe the product overcoating interval to apply the next coat. In case the maximum overcoating

interval has been exceeded, it is necessary to manually/mechanically sand the surface to break the gloss of the previous coat and clean the sanding residues so as to provide better adhesion between the coats.

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.

Diluent Water

Dilution

Depending on the application method, dilute at most 15%

Water-soluble coatings have a thixotropic characteristic by nature, and caution must be taken in the dilution process.

Pot life of the mixture (25°C)

Not relevant

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 spraying characteristics. Before application, check the equipment and its components are clean and in best condition. Purge the compressed air line to prevent contamination of the coating.

After mixing 2-pack 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:	15%

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. Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch up.

Cleaning the equipment:

Water

NOTE:

Do not leave catalyzed product in contact with the equipment used in the application, because the coating will vary in fluidity at temperatures above specified in the pot life and will cure faster, making the cleaning difficult.

Clean all equipment immediately after use.

PERFORMANCE IN THE APPLICATION

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

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

Light colors may require more than one coat for an even coverage.

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.

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

When spraying, make an overlap of 50% of each pistol pass to present an appropriate aesthetic finish, concluding with cross-over.

Water-based paints are known for their low toxicity, however, they are vulnerable to contamination of the environment, mainly by solvents other than water. For better product performance, the pH should be kept between 8.0 - 9.0. After opening the packaging, it is recommended to use the product in its entirety.

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.

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