

W-CRIL HIDRO CVA 731 PIA

PRODUCT DESCRIPTION

Waterborne acrylic resin-based finish.

RECOMMENDED USE

Recommended for painting machines, equipment, agricultural implements and metal structures.

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 3.6L
20L Package containing 20L

CHARACTERISTICS

Color	RAL, Munsell, or according to the customer's standard.
Gloss	Semi-gloss (60 - 80 UB) W-CRIL HIDRO CVA 731 PIA2 Semi-matte (30 - 60 UB) W-CRIL HIDRO CVA 731 PIA3 Matte (15 - 30 UB) W-CRIL HIDRO CVA 731 PIA4 Ultra-matte (0 - 15 UB) W-CRIL HIDRO CVA 731 PIA5
VOC content	122.41 g/l
Volume Solids	38 ± 5% (ISO 3233)
Flash Point	97 °C
Shelf Life	12 months
Dry Film Thickness	30 µm - 40 µm
Dry Heat Resistance	Maximum temperature 60 °C. The product maintains its chemical properties up to a temperature of 60 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	10,86 m ² /l without dilution at a dry film thickness of 35 µm. Loss factors during application are not considered.
Specific Gravity	Min: 0.99 Max: 1.15 g/cm ³

DRYING

Drying

	10 °C	25 °C	35 °C
Manipulation	24 hours	16 hours	8 hours
Final	240 hours	168 hours	120 hours

Recoat Drying

	10 °C	25 °C	35 °C
Minimum	24 hours	16 hours	8 hours
Maximum	48 hours	36 hours	24 hours

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. Soluble salts must be removed by washing with plenty of fresh water.

Over Primer

The product can be applied over a specific primer in order to form an appropriate coating system.



Respect the primer recoat interval before applying the product. If exceeded, perform sanding according to the technical bulletin. Painting over primer with exceeded interval may have adhesion lower than specified by Petrobras N2913 and ASTM D4541.

NOTE: Respect the product's recoat interval for the application of the subsequent coat. If the maximum indicated recoat interval is exceeded, it is necessary to perform a light manual or mechanical sanding to break the gloss of the previous coat, followed by cleaning off dust and sanding residues to ensure better adhesion between paint coats.

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	WATER
Dilution	Depending on the application method, dilute to a maximum of 15%.
Notes	<p>Dilute according to recommendation.</p> <p>Only add the thinner after the A + B components are completely mixed.</p> <p>Excessive thinning of the paint may affect film formation, appearance, and make it difficult to achieve the specified thickness.</p>
Pot Life	Not relevant.

APPLICATION METHODS

Conventional Spray Gun	<p>Spray gun: JGA 502/3 Devilbiss or equivalent</p> <p>Fluid nozzle: EX</p> <p>Air cap: 704</p> <p>Atomization pressure: 60 - 65 psi</p> <p>Tank pressure: 10 - 20 psi.</p>
Brush	<p>Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).</p> <p>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.</p> <p>Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch-ups.</p>
Cleaning of the equipments:	WATER
Notes	<p>The data presented serves as a guide and similar equipment may be used.</p> <p>Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination.</p> <p>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.</p> <p>Before application, ensure that the equipment and respective components are clean and in optimal condition.</p> <p>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.</p> <p>Clean all equipment immediately after use.</p> <p>Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment.</p>

APPLICATION PERFORMANCE

Water-based paints are known for their low toxicity but are vulnerable to environmental contamination, especially by solvents other than water. For best performance, pH should be maintained between 8.0 and 9.0. Once the package is opened, it is recommended to use the product in its entirety.



Light colors may require more than one coat to achieve uniform coverage.

When applying by spray, overlap each gun pass by 50%, finishing with a cross pass for proper aesthetic appearance.

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.

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

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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