

W-CRIL HIDRO MDD 73

**PRODUCT DESCRIPTION**

Waterborne acrylic resin-based paint with fast drying.

**RECOMMENDED USE**

Excellent product for painting frames and wooden parts.

**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**

<b>Component A</b>	20L Package containing 20L 1000L Package containing 1000L
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**CHARACTERISTICS**

<b>Color</b>	According to customer standard. RAL and Munsell chart.
<b>Gloss</b>	Matte
<b>Volume Solids</b>	34 ± 2% (ISO 3233)
<b>Shelf Life</b>	6 months
<b>Dry Film Thickness</b>	50 µm - 60 µm
<b>Dry Heat Resistance</b>	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.
<b>Theoretical Coverage</b>	6,18 m <sup>2</sup> /l without dilution at a dry film thickness of 55 µm. Loss factors during application are not considered.

**DRYING**

**25 °C**

<b>Touch Dry:</b>	30 min
<b>Handle Dry:</b>	2 h
<b>Full Cure:</b>	7 days
<b>Minimum recoat drying time:</b>	6 h
<b>Maximum recoat drying time:</b>	24 h

**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.

The surface must be clean, dry, and free of contaminants. Completely remove oils, greases, and fats according to SSPC-SP1.

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.

**Maintenance and Repair**

NOTE: Respect the recoating interval for subsequent coat application. If exceeded, perform light manual/mechanical sanding to break the previous coat gloss, followed by dust and residue cleaning to ensure better adhesion between paint layers.

**APPLICATION PREPARATION**

<b>Mixing</b>	Homogenize the content of the container using
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	mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
<b>Thinner</b>	WATER
<b>Dilution</b>	Depending on the application method, dilute to a maximum of 5%.
<b>Notes</b>	Water-based paints are naturally thixotropic, requiring caution during the dilution process.

**APPLICATION METHODS**

<b>Conventional Spray Gun</b>	Spray gun: JGA 502 Devilbiss or equivalent Fluid nozzle: FX Air cap: 704 Atomization pressure: 60 - 65 psi Tank pressure: 10 - 20 psi.
<b>Cleaning of the equipments:</b>	WATER
<b>Notes</b>	The data presented serves as a guide and similar equipment may be used. Changes in pressures and nozzle sizes may be necessary to improve spraying characteristics. Purge the compressed air line to avoid paint contamination. 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. Before application, ensure that the equipment and respective components are clean and in optimal condition. 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. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Clean all equipment immediately after use.

**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 5.5 and 6.5. 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.

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

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.

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](http://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.

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**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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