

W-VIARIA HPP 60

PRODUCT DESCRIPTION

Single-component high-build special acrylic resin road marking paint. Easy application and fast drying, allowing area release in 30-40 minutes (depending on temperature). Excellent abrasion resistance and greater durability to weathering.

RECOMMENDED USE

As a coating for road pavements (asphalt) and concrete. Traffic marking and industrial floor demarcation.

CERTIFICATIONS AND APPROVALS

Complies with ABNT NBR 11862 standard: Road horizontal marking # Acrylic resin-based paint.

Complies with ABNT NBR 12935 standard: Road horizontal marking.

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	Yellow. White.
Gloss	Ultra-Matte
VOC content	500.50 g/l
Volume Solids	48 ± 2% (ISO 3233)
Shelf Life	12 months
Dry Film Thickness	210 µm - 300 µm
Dry Heat Resistance	Maximum temperature 90 °C. The product maintains its chemical properties up to a temperature of 90 °C, but from 60°C, color and gloss variations in the paint may occur.
Theoretical Coverage	1,88 m ² /l without dilution at a dry film thickness of 255 µm. Loss factors during application are not considered.

DRYING

Drying

25 °C

No pick-up
time
(NBR#12083/9
2)

20 min

Recoat Drying

25 °C

Minimum 1 hour
Maximum 8 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.

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.



Concrete Surfaces

No coating or paint should be applied until the concrete (or cement-sand screed) is fully dry and cured for at least 28 days under normal climatic conditions.

The floor must have a neutral pH (7) or slightly alkaline (10).

Before painting, the concrete must have a maximum residual moisture of 6%.

No coating or paint should be applied on concrete or cement-sand screed with curing accelerator unless representative tests indicate satisfactory adhesion of the paint system.

Coatings should not be applied over floors contaminated with oils or aggressive products. The floor must be effectively cleaned. Applying over residues of these contaminants may cause coating detachment and other failures.

Acid treatment: recommended for ground-level floors and walls if no infiltration risk exists, as acid attack on rebar may compromise mechanical strength and structural safety. Follow product technical bulletins or applicator instructions when using this method.

Scarification (milling) for moderate system: this method is an excellent option for repairing and restoring damaged surfaces, suitable for both light and heavy work. Recommended for cutting anti-slip grooves, removing contaminated surface layers like grease, oil, rubber, synthetic pavements, paints, traffic marking stripes, among other floor applications. The mill consists of a motor rotating a tool/disc drum with widea (tungsten carbide), which chisels and wears the floor surface. Depth depends on disc type and shape used on the mill shaft.

Surface preparation must be performed in accordance with SSPC SP-13/NACE No. 6, ICRI Technical Guidance No. 03732, and compared with the visual standard expressed as CSP 1 to 10.

Coating on old concrete only upon recommendation from WEG Technical Department.

Product application must follow guidance from our technical department to achieve the expected performance. Factors such as surface condition, roughness, contaminant level, and other specifics are essential for proper surface preparation.

Manual and rotary hammer grinders: these machines work with motors with 1 or 2 multi-purpose discs (3 stones or diamond inserts per disc). Depending on floor hardness, carborundum or widea (tungsten carbide) inserts can be used.

The performance of this product is associated with surface preparation. The surface must be clean, solid, free of any contaminants, fully dry, and have sufficient roughness to allow adhesion of the applied protection system.

Check for moisture in concrete according to ASTM D 4263.

Captive blast with centrifugal turbines: process with centrifugal blast/turbines, using steel shot in a closed circuit.

Asphalt Surface

For product application, the asphalt must be dry, clean, and free of contaminants. It is not recommended to apply the product while the asphalt is wet.

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	ALKYDIC DILUENT 1024
Dilution	Depending on the application method, dilute to a maximum of 10%.
Notes	The amount of Diluent may vary depending on the type of equipment used and environmental conditions during application. Only add Diluent after complete mixing of the other components. Do not dilute with solvents not allowed by local legislation, and do not exceed the indicated dilution percentage. Excessive dilution may affect film formation, appearance, and make it difficult to achieve the specified thickness.



	Pot Life	Not relevant.
APPLICATION METHODS		
	Airless Spray Gun	Airless: Use minimum pump 60:1 Fluid pressure: 2000 - 3000 psi Hose: 1/4" inner diameter Nozzle: 0.015" - 0.021".
	Roller	Use a short-haired, seamless wool or synthetic roller for epoxy paints. 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.
	Brush	Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for touch-ups.
	Cleaning of the equipments:	ALKYDIC DILUENT 1024
	Notes	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. Before application, ensure that the equipment and respective components are clean and in optimal condition. In spray application, overlap each gun pass by 50%, finishing with a cross pass. This technique avoids uncovered or unprotected areas and ensures proper aesthetic finish. Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas. Clean all equipment immediately after use. Do not leave material in hoses, guns, or equipment used for spraying. Thoroughly wash all used equipment. It is considered good practice to periodically wash the spraying equipment during the day. The cleaning frequency depends on the amount sprayed, temperature, and elapsed time, including all delays.

APPLICATION PERFORMANCE

Application of thickness above the recommended value, decrease in ambient temperature, and increase in relative humidity during drying are factors that can cause delayed drying and defects in the film structure.

For coatings applied in coastal areas exposed to sea spray, it is recommended to wash with fresh water between coats to remove deposited impurities.

As this is a primer, color variation between batches of this material may occur.

For optimal application properties, the paint temperature should be between 21°C and 27°C before mixing and application.

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 3°C above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

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.

Under adverse weather conditions in indoor and/or outdoor environments with high relative humidity, rain or drizzle, low or very low temperatures, and excessively high temperatures, variations in color and other product characteristics may occur. Please consult WEG's Technical Department for more information.



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.
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