



W-TAR FREE CVD 32

PRODUCT DESCRIPTION

High-build, two-component phenolic novolac epoxy primer-finish. Provides excellent chemical resistance, including to various solvents, as well as outstanding anticorrosive and abrasion resistance.

RECOMMENDED USE

Indicated for highly aggressive environments, providing excellent anticorrosive protection on carbon steel. Used on interior and exterior of pipes and water storage tanks, can be applied in high thicknesses in a single coat.

Tintometric system versions are not recommended for use in immersion conditions.

CERTIFICATIONS AND APPROVALS

Complies with AWWA C210-15 standard - Liquid Epoxy Coatings and Linings for Steel Water Pipe and Fittings.

When supplied to comply with the ROHS Directive (Restriction of Certain Hazardous Substances), this product includes the letter R in its nomenclature description.

This product complies with Ministry of Health Ordinance GM/MS No. 888, dated May 4, 2021.

Complies with Ministry of Health Ordinance No. 2914 regarding drinking water.

PACKAGING

Component A	0.95 US gal Package containing 0.95 US gal 5.28 US gal Package containing 5.28 US gal
Component B	0.95 US gal Package containing 0.95 US gal 5.28 US gal Package containing 5.28 US gal

CHARACTERISTICS

Color	According to customer standard. RAL and Munsell chart.
Gloss	Matte
VOC content	2.46 lb/gal
Volume Solids	81 ± 3% (ISO 3233)
Shelf Life	24 months
Dry Film Thickness	15.7 mils - 39.4 mils
Dry Heat Resistance	Maximum temperature 212 °F. The product maintains its chemical properties up to a temperature of 212 °F, but from 140°F, color and gloss variations in the paint may occur.
Theoretical Coverage	47.3 ft ² /gal without dilution at a dry film thickness of 27.6 mils. Loss factors during application are not considered.

DRYING

Drying			
	50 °F	77 °F	95 °F
Touch	7 hours	3 hours	2 hours
Manipulation	18 hours	10 hours	6 hours
Final	240 hours	168 hours	168 hours
Recoat Drying			
	50 °F	77 °F	95 °F
Minimum	18 hours	10 hours	6 hours
Maximum	5 days	2 days	2 days



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. 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.

Abrasive Blasting

Perform surface preparation with abrasive blasting.

Inspect the freshly blasted surface, observing defects that may appear after treatment. Correct them by grinding, filling with welds and/or epoxy putty.

If oxidation occurs between the end of abrasive blasting and coating application, the surface must be blasted again until the specified visual standard is achieved.

Hand and Power Tool Cleaning

Mechanically treat the surface until achieving at least St 3 grade according to ISO 8501-1 visual standard or SSPC-SP 11, using SSPC-VIS 3 visual standard as guidance.

APPLICATION PREPARATION

Mixing	Homogenize the content of each component using mechanical or pneumatic stirring (A and B). Ensure no sediment remains at the bottom of the container. Add component B to component A in the indicated mixing ratio under stirring until completely homogenized, respecting the mixing ratio.
Mixing Ratio	By volume: 1 A x 1 B.
Thinner	EPOXY DILUENT 3005
Dilution	Depending on the application method, dilute to a maximum of 5%.
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	3 h The shelf life of the mixture is reduced as the ambient temperature increases. The pot-life test of the mixture is carried out according to ABNT NBR 15742; however, different volumes of paint prepared at once, combined with varying ambient and paint temperatures, will affect the mixture's shelf life, potentially resulting in outcomes different from those stated in this technical bulletin.

APPLICATION METHODS

Conventional Spray Gun	Spray gun: JGA 502/3 Devilbiss or equivalent Fluid nozzle: EX Air cap: 704 Atomization pressure: 60 - 65 psi Tank pressure: 10 - 20 psi.
Airless Spray Gun	Airless: Use minimum pump 60:1 Fluid pressure: 4000 psi Hose: 1/4" inner diameter Nozzle: 0.021" - 0.025".
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	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).
Cleaning of the equipments:	EPOXY DILUENT 3005
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>Reinforce all sharp corners, gaps, and weld beads with a brush to avoid premature failures in these areas.</p> <p>Clean all equipment immediately after use.</p>

APPLICATION PERFORMANCE

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

Do not apply the product after the pot life has been exceeded.

For optimal application properties, the paint temperature must be between 69.8°F - 80.6°F before mixing and application.

We recommend painting only if the measured surface temperature is at least 5.4°F 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.

It is suggested to maintain forced air circulation in tanks/reservoirs to avoid solvent saturation during curing.

Products for contact with potable water or food: wash with fresh water and neutral soap before operation.

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.

Epoxy-based products are known for their excellent anticorrosive properties and low resistance to sun exposure. When the applied film is exposed to weathering, over time it will lose gloss, a phenomenon known as chalking, which consequently alters its color. It is important to note that, despite this chalking, the film's anticorrosive protection is not compromised.

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.

The information contained in this technical bulletin is subject to periodic modifications, without prior notice, due to our policy of continuous improvement and evolution of our products and services, providing quality solutions to meet the needs of our customers.
