



WEG BITUMINOUS 712

**PRODUCT DESCRIPTION**

High-build, single-component bituminous coating. Certified and approved for potable water contact.

**RECOMMENDED USE**

Recommended for internal painting of potable water tanks, internal structure under coating, and in cofferdams, mooring storage, etc. Indicated for maintenance and new works.

**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>Single Component</b>	0.95 US gal Package containing 0.95 US gal 5.28 US gal Package containing 5.28 US gal
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**CHARACTERISTICS**

<b>Color</b>	Black.
<b>Gloss</b>	Matte
<b>Volume Solids</b>	51 ± 2% (ISO 3233)
<b>Shelf Life</b>	12 months
<b>Dry Film Thickness</b>	6,000 µm - 12,000 µm
<b>Theoretical Coverage</b>	207.8 ft <sup>2</sup> /gal without dilution at a dry film thickness of 3.9 mils. Loss factors during application are not considered.

**DRYING**

**Drying**

	50 °F	77 °F	95 °F
<b>Touch</b>	18 hours	8 hours	6 hours
<b>Manipulation</b>	72 hours	48 hours	48 hours
<b>Final</b>	-	168 hours	168 hours

**Recoat Drying**

	50 °F	77 °F	95 °F
<b>Minimum</b>	18 hours	8 hours	8 hours
<b>Maximum</b>	-	-	-

**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.

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

**Recommended Surface Profile**

It is recommended a roughness profile between 1.57 and 3.35 mils.

**Abrasive Blasting**

Perform abrasive blasting to near-white metal, Sa 2½ grade, according to ISO 8501-1 visual standard (A Sa 2½, B Sa 2½, C Sa 2½, D Sa 2½), or according to SSPC-SP10/NACE No. 2, visual standard SSPC-VIS 1 (A SP10, B SP10, C SP10, D SP10, G1 SP10, G2 SP10, G3 SP10).

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



For areas near marine environments, wash with fresh water at low pressure (minimum 3,000 psi) before abrasive blasting. In some cases, repeat washing after blasting to remove soluble contaminants and perform a new abrasive blasting.

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.

The maximum level of soluble impurities on the blasted surface, as per the test described in ISO 8502-6 and using distilled water, must not exceed a conductivity measured according to ISO 8502-9 corresponding to a maximum of 20 mg/cm<sup>2</sup> (2 ¼g/cm<sup>2</sup>) in immersed, buried, or submerged areas.

**Carbon Steel Surfaces**

Hard surface layers (e.g., layers resulting from flame cutting) must be removed by grinding before starting abrasive blasting.

All welds must be inspected and, if necessary, repaired before completing abrasive blasting. Porosities, cavities, weld splatter, etc., must be repaired with proper mechanical treatment or welding repair. In other areas, round edges and sharp corners (r e 0.0787 in, ISO 8501-3).

**APPLICATION PREPARATION**

<b>Mixing</b>	Homogenize the content of the container using mechanical or pneumatic stirring. Ensure no sediment remains at the bottom of the container.
<b>Thinner</b>	ALKYDIC DILUENT 1024
<b>Dilution</b>	Depending on the application method, dilute to a maximum of 5%.
<b>Notes</b>	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.
<b>Pot Life</b>	Not relevant.

**APPLICATION METHODS**

<b>Airless Spray Gun</b>	Airless: Use minimum pump 60:1 Fluid pressure: 2000 - 3000 psi Hose: 3/8" inner diameter Nozzle: 0.017" - 0.025".
<b>Roller</b>	Not recommended for internal tank painting. 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. Use wool or synthetic rollers.
<b>Brush</b>	Recommended only for small area touch-ups or "stripe coat" (screws, nuts, weld beads, sharp corners, and touch-ups).
<b>Cleaning of the equipments:</b>	ALKYDIC DILUENT 1024
<b>Notes</b>	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.

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**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.

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

Before application, observe weather conditions: there must be no threat of rain or drizzle. Surface temperature must be at least 37.4°F above the dew point, and relative humidity should not exceed 85%. Adverse conditions may cause color variations and other characteristics. Consult WEG Technical Department.

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

Substrate temperature, climatic and environmental conditions during application and curing, as well as applied film thickness, may affect drying time.

In cases where the product will be used for internal painting of potable water tanks, it is recommended to wait 7 days before starting the filling 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.

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.

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**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.

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.