

W-THANE PRIMER BRANCO

PRODUCT DESCRIPTION: 2-pack aromatic polyurethane primer. It offers good corrosion protection, fast drying and adhesion to ferrous metals.

RECOMMENDED USES: Excellent primer for painting machinery and equipment located in medium aggressive environments.

CERTIFICATIONS AND APPROVAL: This product, when supplied to comply with the RoHs Directive (Restriction of Certain Hazardous Substances) has the letter R in its description.

| PACKAGING: | Component | Content | Package | Unit of measurement |
|------------|-------------|-------------|-----------|---------------------|
| | Component A | 2,4 13,3 | 3,6 20 | L |
| | Component B | 1,2 6,7 | 1,5 20 | L |

CHARACTERISTICS: Color: White

Gloss: Ultra matte 0 – 15 UB

Volume solid: 32 ± 2% (ISO 3233).

Expiry Date: 12 months.

Thickness per coat (dry): 30 µm – 40 µm

Theoretical coverage: 9,10 m²/l without dilution in the thickness of 35 µm dry. Without considering the loss factors in the application.

Resistance to dry heat: Maximum temperature 90 °C Organic coatings can undergo alterations of color, gloss and adherence when exposed to temperatures exceeding 90 °C

Drying:

25°C

Touch: 30 minutes

Handling: 5 hours

Final: 168 hours

**Repainting
Drying:**

25°C

Min 5 hours

Max 24 hours

SURFACE PREPARATION

Treatment of Steel Carbon Surfaces

The product must be applied on carbon steel surfaces properly treated by cleaning with solvents or degreasers. Abrasive treatment or phosphating as needed.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Mix the contents of the component A package with a spatula. Ensure that no sediment remains on the bottom of the package. Add component B to component A respecting the mixing ratio. Mix perfectly with the spatula. Add the diluent only after the mixture of the two components is homogeneous.

Mixing ratio (Volume)

2 A X 1 B.

Diluent

Pu diluent 5001

Dilution

Depending on the application method, dilute at most 10%

The quantity of diluent may vary depending on the type of equipment used and the ambient conditions during the application.

Pot life of the mixture (25°C)

4 h

In hot areas, we recommend consulting WEG Technical Department.

APPLICATION FORMS

The data below is a guide, and similar equipment may be used.

Changes in nozzle sizes and pressures may be necessary to improve the spraying characteristics.

Before the application, make sure the equipment and its components are clean and in the best condition.

Purge the compressed air line to prevent contamination of the coating.

After mixing the 2-pack products, if there are stops in the application, and the pot life is exceeded (the coating presents variation in its fluidity), it can no longer be diluted for further application.

Reinforce all sharp edges, cracks and weld beads with a brush to prevent premature failures in these areas.

Conventional gun:

Gun: JGA 502 DevilBiss or equivalent

Fluid nozzle: FX

Air cap: 704

Dilution: 10%

Brush:

Only recommended for retouching small areas or stripe coat (screws, nuts, weld beads, sharp edges and retouching). Use a brush 75 to 100 mm wide for larger surfaces and 25 to 38 mm for retouching.

Cleaning the equipment:

Pu diluent 5001

NOTE:

Do not leave material in the hoses, spray guns and equipment used in the spraying. Thoroughly wash all equipment used.

PERFORMANCE IN THE APPLICATION

For a good performance of the product, we recommend following the directions below:

Light colors may require more than one coat for an even coverage.

Product not recommended for painting the interior of tanks

In paintings executed on the seafront, if exposed to the action of sea air, we recommend to wash with fresh water between coats eliminating the settled impurities.

Do not apply the product after the pot life has expired.

We recommend coating only if the measured surface temperature is at least 3 °C above the dew point temperature.

Minor variations in color, appearance and gloss (more noticeable in dark colors) may occur, as well as delay in curing and impairment of surface performance, when applied during periods of high air relative humidity, rainy days, low temperatures or in case the coated parts are put to dry outdoors.

The temperature of the substrate, the weather and environmental conditions during the application and during the curing of the product, and the thickness of the applied film may interfere with the product drying time.

For better application properties, the coating temperature should be between 21 - 27 °C prior to the mixing and application.

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



Polyurethane systems (component A and B) present sensitivity when exposed to air relative humidity, which can cause flaws in the dry film and reduction of pot life. Therefore, we recommend that the packages of each component be properly closed after use and kept in dry places protected from bad weather.

On newly painted surfaces in direct contact with water during the curing process, localized stains may occur with changes in their color (more visible in dark colors), delay in curing and compromised product performance.

In coatings with variation in the application method in the same job, the final appearance and gloss of the painted surfaces may present differences.

For further information, consult WEG Technical Department.

SAFETY PRECAUTIONS

NOTE:

The information contained in this technical datasheet is based upon the experience and knowledge acquired in the field by the technical team of WEG.

If using the product without prior inquiry to WEG Coating concerning its suitability for the customer's intended purpose, the customer is aware that the use shall be its exclusive responsibility, WEG not being responsible for the behavior, safety, suitability or durability of the product.

Certain information contained in this datasheet is merely an estimate, and can undergo variances arising from factors outside the manufacturer's control. Thus, WEG does not guarantee and does not assume any responsibility regarding the yield, performance or any other material or personal damage resulting from the incorrect use of the products concerned or the information contained in this Technical datasheet.

The information contained in this technical datasheet is subject to periodic modification, without prior notice, due to the policy of evolution and continuous improvement of our products and services, providing solutions with quality to satisfy our customers' requirements.