

W-THANE DUPLA FUNÇÃO R CINZA RAL 7021

PRODUCT DESCRIPTION: High-performance 2-pack aliphatic acrylic polyurethane direct to metal. It provides good chemical resistance and continuous weathering resistance, excellent adhesion to carbon steel and color and gloss retention, high resistance to atmospheric agents and some solvents, high performance in terms of hardness, impact and abrasion.

RECOMMENDED USES: Excellent topcoat to paint machinery and equipment that need weathering resistance.

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	3,15	3,6	L
	Component B	0,45	0,9	L

CHARACTERISTICS:

Color: Gray

Gloss: Gloss >80 UB

Volume solid: 38 ± 2% (ISO 3233).

Expiry Date: 12 months at 25 ° C - Component A
06 months at 25 ° C - Component B

Thickness per coat (dry): 50 µm –60 µm

Theoretical coverage: 6,9 m²/l without dilution in the thickness of 55 µm dry. Without considering the loss factors in the application.

Drying:

25°C

Touch:

20 minutes

Handling:

4 hours

Final:

168 hours

Repainting Drying:

25°C

Min 12 hours

Max 48 hours

SURFACE PREPARATION The surface must be clean, dry and free of any contaminants. Completely remove oils, greases and fats, as described in the SSPC-SP 1 standard.

For further information, consult WEG Technical Department.

PREPARATION FOR APPLICATION

Mixture

Homogenize the contents of the components with a spatula. Ensure that no pigments are settled at the bottom of the package. Add component B to component A, observing the mixing ratio. Mix thoroughly with the spatula.

Mixing ratio (Volume)

7 A X 1 B.

Diluent

Pu diluent 5003

Dilution

Depending on the application method, dilute at most 20%

Pot life of the mixture (25°C)

3 h

APPLICATION FORMS

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

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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 502/3 Devilbiss or equivalent
Fluid nozzle: EX or FF

Air cap: 704
Dilution: 20%

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 5003

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.

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

Product developed for industrial use intended for handling by qualified professionals.

Please read carefully all the information contained in the MSDS of this product, available at: www.weg.net.

Store in a covered, well-ventilated area. 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.

Wear protective gloves / protective clothing / eye protection / face protection.

Avoid release of the product and its packaging, as well as materials used during handling and application in the environment.

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.