

DEHPUR

DESCRIPTION

Polyurethane elastomer coating with 100% content in solids and excellent flexibility. Suitable to be in contact with drinking water according to RD 140/2003. Trials carried out in accordance with standard UNE EN 12873.

FIELD OF APPLICATION

Rust-proofing protection of maximum resistance and high thickness. Coating for tanks, deposits, piping, barrels, pylons, machinery, immersion baths, metal and concrete structures, etc. Application hot with airless spray gun for mixture in nozzle, giving thicknesses of 400 to 500 dry microns per coat.

TECHNICAL SPECIFICATION (2/C)

<i>Presentation:</i>	<i>Two components.</i>
<i>Colour:</i>	<i>Reddish.</i>
<i>Finish:</i>	<i>Brilliant.</i>
<i>Specific gravity:</i>	<i>1.45 gr/cm³ ± 0.05.</i>
<i>% Solids in volume:</i>	<i>99-100%.</i>
<i>Recommended dry thickness:</i>	<i>400 to 800 microns.</i>
<i>Recommended thickness per coat:</i>	<i>400 microns.</i>
<i>Theoretical cover (400 μ):</i>	<i>2.5 m²/lt = 1.7 m²/kg.</i>
<i>Proportion of mixture:</i>	<i>A : B = 3:1 by weight; 2.5:1 by volume.</i>
<i>Pot-life:</i>	<i>15 minutes at 20°C.</i>
<i>Drying to touch:</i>	<i>6 hours, at 20°C and 65% RH.</i>
<i>Drying total:</i>	<i>10 days, at 20°C and 65% RH.</i>
<i>Application:</i>	<i>Airless spray gun of mixture in nozzle.</i>
<i>VOCs on supply:</i>	<i>< 5 gr/lt.</i>
<i>Suitable thinner:</i>	<i>Do not thin. Use K-9 only where essential or for cleaning tools.</i>

PRIOR TREATMENT OF SURFACES

Metal surfaces: Steel sandblasted to minimum degree Sa. 2 ½, with roughness not less than 40μ and perfectly dust-free.

Stony surfaces: To be applied on a clean base, dry and prepared in accordance with the proposed use. It may be necessary to apply **LITEPOX** to consolidate the surfaces and improve adherence.

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METHOD OF APPLICATION

Homogenise and stir thoroughly the container of component "A". Do not dilute. Install in the dosing equipment checking that the mixture is correct. Component A can be heated to 60-70°C, while for component B it is recommended not to exceed 40°C.

Brush:	Only for retouching.
Roller:	Only for retouching.
Airless spray gun:	Pump minimum, 45:1, preferably 60:1 Nozzle: 0.031 to 0.035 inches Pressure at point of nozzle: 180 to 200 Kgs/cm ²

As for all paints and coatings the application must be made on a firm, dry surface, with the temperature of the support at 3°C above dew point, with an ambient temperature not less than 10°C and RH of 80% as maximum.

CHARACTERISTICS OF THE DRY FILM

Shore-A hardness:	70
Persoz hardness:	180" ± 10"
Adherence by traction:	50-60 kg/cm ²
Flexibility:	Total, 0 mm. conical mandrel.
Resistance to impact:	Correct ball 20 mm Ø from 100 cm.
Resistance to rust:	> 1,000 hours Salt Mist according to ASTM B-117
Resistance to water:	Excellent
Resistance to petrol:	Correct (100 hours of immersion)
Resistance to acetic acid 5%:	Correct (100 hours of immersion)
Resistance hydrochloric acid 10%:	Correct (100 hours of immersion)
Resistance to caustic soda 10%:	Correct (100 hours of immersion)
Resistance to abrasion:	Very good

Suitable for contact with drinking water according to RD 140/2003. Trials carried out in accordance with standard UNE EN 12873, available on demand.

PRECAUTIONS

It is advisable to perform the application in a well-ventilated area or with a plentiful forced-air supply. Personal safety measures should be taken in order to avoid ingestion, inhalation or contact with the skin. The normal precautions for fire prevention should be taken during applications. Keep containers well sealed after use. Do not pour waste down the drain. Storage stability: 1 year in their original, sealed containers, in good storage conditions.

OBSERVATIONS

We guarantee the quality of our products pursuant to our general terms of sale and supply. Our technical tips for use, expressed verbally, in writing or in tests, are offered in accordance with our current know-how and experience. They are mere indications, which do not imply our responsibility, nor do they exempt you from the need to check for yourselves that the products we supply do meet the procedures and goals you seek, by conducting your own controlling and testing. Application and use of the products is beyond our control and, consequently, depends exclusively on your own personal responsibility, and we decline responsibility for results other than those set out here. Our recommendations regarding safety should not prevent you from determining your own measures, adapted to the conditions of your installations. We reserve the right to modify the contents hereof, without prior notice, in accordance with their technological development.

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