

Technical Datasheet

POXEMYC UV High Solids 2K

Code: 08600 Topcoat



DESCRIPTION

2-pack high solids polyurethane based on hydroxylated acrylic resins and polyfunctional aliphatic isocyanate hardener giving high level of hardness and excellent retention of brightness and color.

USE: INTERIOR - EXTERIOR

Finishing topcoat enamel for the protection of all kinds of metal surfaces; steel, iron (previously primed), galvanized and aluminum (primed and treated), non-ferrous concrete, wood, polyester with fiberglass, PVC, and anywhere a high chemical resistance and maximum weather resistance is required.

Ideal for the painting of containers, wagons, cisterns, tanks, machinery, ships, industrial buildings subjected to aggressive atmospheres and environments.

Not recommended for the painting of surfaces with coatings of bitumen and / or bituminous asphalts.

PROPERTIES

- Excellent hardness and abrasion resistance.
- Exceptional resistance to extreme industrial and environmental conditions
- UV resistant.
- Excellent resistance to oil, solvents, acids and alkalis
- Resists temperatures up to 150°C.
- Smooth and glossy high quality finish

CERTIFICACIONES

- Fire retardant : B-s1, d0. UNE 13501-1.
- Complies and tested to Paint System Category C-5I (High), as per ISO 12944-6. Tecnalia Laboratories Test Cert. Nº 13-02845-2.

Finish: Gloss

Color: Ral Colors

Mixture Viscosity: Min. 30 Poises S/FR1007

Mixture Density: 1,25 ± 0,05 gr/cc S/FR1001

Touch dry: 4 hours,

Minimum Repaint time: 24 hours

Maximum Repaint time: 7 days.

Diluent: D-70 Solvent for brush and roller.
D-17 for spraying equipment.

Coverage: 7,3m²/l (for 100 microns)

Mixture volume solids: 67%

Mixture Flash Point: Inflammable to 29 °C

Mixing Ratio A/B in volume: 5 : 1

Mixing Ratio A/B in weight : 6 : 1

Mixture potlife: min. 3 hours
(Depending on atmospheric conditions)

Mixture induction time: 15 minutes

Relative humidity: Maximum 80%

VOC Content: Maximum 500 g/l

08600 WHITE



Format: 15 L

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SURFACE PREPARATION

IRON & STEEL. Surfaces must be free of grease, rust and calamine. In order to achieve good corrosion protection, we recommend the application of **Dynapok 2C Primer (Code 22.722)**

ALUMINIUM & GALVANIZED STEEL. If hot galvanized surfaces have been exposed to the atmosphere, they form corrosion of zinc (whitish rust) and accumulation of contaminants. Remove by washing with fresh and clean water with detergents and synthetic abrasive fibers, then rinse with plenty of hot water. Alternatively, use hot water, pressurized water, steam cleaning, sweep blasting or cleaning with manual or mechanical tools, according to Norma Iso 12944-4. In case of greater protection, it is necessary to prime with **Dynapok 2C Primer (Code 22.722)**.

CONCRETE. Wait until fully set (min 1 month). The surface must be completely dry. The moisture of the pavement should not exceed 4%, measured at 2 cm depth. The surface must be firm and clean of dust, grout or grease and loose particles. Minimum tensile strength 15 kg / m².

Remove grease and rubber stains with solvents or detergents, then rinse the detergent with water. Use blasting and milling if they do not disappear.

Scale and curing agents should be removed by shot blasting and milling, then vacuum all dust created. Achieve a rough surface free from foreign materials.

The surface to be painted must have sufficient roughness to ensure proper and sufficient adherence. It is advisable to carry out a test in a representative area (test patch of approx. 1m²) to ensure system is ok before going ahead with full job.

On concrete substrates apply a minimum of 2 coats of **Poxemyc UV HB 2C**. First coat diluted with 15% **D-70 Solvent (Code 50.007)**. After 24 hours apply a second coat without diluting, or diluted with 5% of **D-70 Solvent (Code 50.007)**. If gloss is not even across the painted surface, a third coat may be necessary.

APPLICATION TIPS

Stir the contents of the container thoroughly until complete homogenization.

Apply on consistent, clean surfaces, free of efflorescence (saltpeter) and molds.

It is not advisable to apply the product onto damp or excessively sun overheated surfaces.

Dilution of product depending on the porosity and condition of the support.

2/C MIXTURE PREPARATION. Stir component A in its container and once mixed properly and homogenized, add component B to it slowly (in the indicated proportions) while performing a mechanical stirring at low revolutions. Stir for 2 minutes until both components are perfectly homogenized. If necessary pour the mixture into another clean drum, to guarantee a homogeneous mixture as possible.

Let the mixture stand for 15 min. Do not use the mixed product after 5 hours of mixing.

ENVIRONMENTAL CONDITIONS. The relative humidity should not exceed 80%. There should be no upward humidity. The temperature of the substrate should be at least 12 ° C. Avoid condensation. Do not apply with risk of rain or strong wind.

APPLICATION METHOD.

Brush at given viscosity

Conventional Spray Equipment:

Tip Size: 1,4 - 1,7 mm.

Pressure: 3,1 - 4,2 Kg/cm²

Dilution between 0 and 10%

- Airless Spray Equipment

Tip Size: 0,38 - 0,53 mm.

Compression Ratio: 28 : 1

Operation Pressure: 150 - 170 Kg/cm².

OBSERVATIONS

In order to ensure complete evaporation of all solvents, a minimum of seven days must pass for complete polymerization at room temperature. The use of sweeping machines to clean any surface can fade the product's brightness and alter its color.

SAFETY AND ENVIRONMENT

Solvent based products must be applied with good ventilation and with the necessary protection measures. Avoid sources of ignition. Minimize the product waste by estimating the quantity needed, taking into account the m², the porosity and texture of the support. Store surplus material in a ventilated, dry place. The container must be clean and of adequate size for the quantity of product left over. Close containers carefully and keep upright to avoid spills. Preserve the containers of frost, high temperatures and direct exposure to the sun. Recover unused product for new use and reduce environmental effects. Do not eat, drink or smoke while preparing and applying the product. Surface preparation and application operations must be carried out with appropriate safety measures. For more information consult the Material Safety Data Sheet.

In case of contact with eyes, rinse with plenty of clean water. Keep out of the reach of children.

Do not discharge into drains or the environment. JUNO guarantees the quality of all its products, in accordance with the General Conditions of Sale in force. Consult your council about the correct recycling of both packaging and waste and leftover paint according to law and principles of environmental respect.

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