

# Technical Datasheet

## POXEMYC UV 2/C Polyurethane coating

**JUNO**

Product Code: 08800 Enamel

### DESCRIPTION

Two component polyurethane enamel, based on hydroxylated acrylic resins and polyfunctional aliphatic isocyanate hardener, giving excellent durability, hardness and colour/brightness retention.

### USE: INTERIOR - EXTERIOR

Top-coating enamel for the protection of all kinds of ferrous surfaces such as steel, iron (previously primed), galvanized and aluminum (previously treated) etc., as well as non-ferrous surfaces such as concrete, wood, fibreglass reinforced polyester, PVC, etc.

Poxemyc offers high chemical resistance and maximum weather resistance.

It is ideal for painting metal constructions, wagons, tanks, deposits, machinery, ships, industrial buildings exposed to aggressive marine or industrial atmospheres. Not recommended for painting surfaces already coated with tar, bitumen or asphalt products.

### PROPERTIES

- High hardness and abrasion resistance.
- Exceptional weather resistance.
- Resistant to UV ultraviolet rays.
- Good resistance to oils, solvents, acids and alkalis.
- Resists temperatures up to 150°C.
- High quality smooth and glossy finish.

### CERTIFICATIONS

- Anti-Slip Resistant: Class 3 with ANTI\_SLIP MICROSPHERES (Prod.Code 07250). Certification as per UNE-ENV 12633, Annex A.
- Reaction to fire: Certified to Euroclass B-s1, d0. UNE 13501-1.
- POXEMYC UV is also tested to Protective coatings category C-5I (High) as a topcoat, as per ISO 12944-6. Tecnalia Laboratories Cert. No. 13-02845-1.

**Finish:** Gloss, Satin (produced to order)**Colours:** White, Black & RAL Colours**Mixture viscosity:** Min. 60" S/FR1002**Mixture density:**

WHITE: 1,25 ± 0,05 gr/cc S/FR1001

BLACK: 1,10 ± 0,05 gr/cc S/FR1001

COLOURS: 1,20 ± 0,10 gr/cc S/FR1001

**Drying:** Touch dry in 2 hours**Minimum repaint time:** 16 hours**Maximum repaint time:** Unlimited**Diluent:** D-70 Solvent**Performance:** 13 m<sup>2</sup>/l (for 40 microns)**Mixture volume solids :** 52,2 ± 2 %.

Theoretical depending on colour)

**Mixture Flash point:** Inflammable to 29 °C**Mixing ratio component A/B in volume:** 7 : 1**Mixing ratio component A/B in weight:** 8,3 : 1**Mixture Potlife:** minimum 4 hours  
(depending on ambient conditions)**Mixture induction time:** 15 minutes**Relative humidity:** Maximum 80%**VOC Content:** Maximum 500 gr./litre

08800 WHITE

08801 BLACK

08899 COLOURS



Format: 4 L

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### SURFACE PREPARATION

**IRON & STEEL.** Surfaces must be free of grease, rust and limescale. To achieve good corrosion protection, we recommend priming with Dynapok 2-pack Primer (Product Code 22.722)

**ALUMINUM & GALVANIZED STEEL.** If the galvanization is hot-dip galvanized and this has been exposed to the atmosphere, it normally forms zinc corrosion (whitish rust) and contaminants can accumulate. These must be removed by washing with fresh, clean water containing detergents and by abrasion, followed by intensive cleaning with hot water.

Alternatively, the use of hot water, pressurized water, steam cleaning, sweep blasting or cleaning with manual or mechanical tools may be suitable. For added protection priming with Dynapok 2-pack primer is recommended (Product Code 22.722).

**WOOD.** The surface must be clean sanded and completely dry. Ensure surface is free from grease, dust and any foreign agents. The wood's moisture content should not exceed 15%.

**CONCRETE.** Wait until concrete has fully set (min. 1 month). The surface must be completely dry. The substrate moisture level should not exceed 4%, measured at 2 cm depth. The surface should be firm and free of dust, grout or grease and loose particles. Minimum tensile strength is 15 kg/m<sup>2</sup>. To achieve a good adhesion of the paint film on the concrete surfaces, the surface must be rough and free of grease stains, rubber, curing agents, lime slurry and any foreign particles. Grease and rubber stains should be removed with solvents or detergents. Rinse with clean water after treatment. Use shot blasting and milling if stains do not disappear with normal cleaning. Grout and any curing agents must be removed by shot blasting and milling, subsequently removing any dust.

A textured and clean surface is necessary before application. As always, before any application the surface must be completely dry.

It is advisable to paint a preliminary test patch checking product compatibility and result before proceeding with the full job.

On concrete surfaces, apply at least two coats of Junoretano. The first coat diluted with 15% D-70 solvent (Prod. Code 50.007).

After 24 hours apply a second coat without diluting or diluted with 5% D-70 solvent (Prod. Code 50.007).

Should gloss not be even across the painted surface, it is necessary to apply a third coat.

### APPLICATION TIPS

Stir the paint until complete homogenization. Apply on surfaces that are consistent, clean, free of efflorescence (saltpeter) and mold. It is not advisable to apply the paint on wet surfaces or excessively overheated by the sun.

Paint can be diluted according to the porosity and state of the surface to be painted.

**MIXTURE PREPARATION.** Product comes in two containers, one with Component A and another with Component B, and is supplied in the exact mixture proportion for its use. Stir component A in its container and once homogenized add component B slowly to it, while stirring mechanically at low speed. Stir for 2 minutes until perfect homogenization. If necessary, the prepared mixture can be poured into a new container to ensure that the mixture is as homogeneous as possible. Let the mixture stand for 30 min. Stir again. Do not use the enamel after its 8 hour potlife.

**ENVIRONMENTAL CONDITIONS.** During the application and the curing process, the temperature must be maintained above 15°C.

The relative humidity should not exceed 75%. There should be no rising humidity level. The temperature of the substrate must be at least 3°C above the dew point. Avoid condensation. Do not apply when risk of rain or strong wind is present.

### APPLICATION METHOD.

- Brush without diluting.

Conventional spraying :  
Tip size: 1,2 - 1,8 mm  
Air pressure: 3 - 4 Kg/cm<sup>2</sup>  
Work pressure: 0,7 - 1,4 Kg/cm<sup>2</sup>  
Dilution between 5-10% to reach viscosity of 20 - 30" Ford Cup N° 4

- Airless/Airmix  
Tip Size 0,38 - 0,48 mm  
Work pressure: 150 - 170 Kg/cm<sup>2</sup>

**CLEANING.** Clean tools with **D-70 Solvent (Prod.Code. 50.007)**.

### OBSERVATIONS

The use of sweeping machines for cleaning the floor can affect the brightness and gloss of the product and may alter its color. Product must only be used with the JUNOMATIC tinting system.

### SAFETY & ENVIRONMENT

Solvent based products must be applied with good ventilation and with the necessary protection measures. Avoid sources of ignition. Minimize product waste by estimating the amount needed, taking into account the m<sup>2</sup>, porosity and the surface texture.

Store the excess material in a ventilated and dry place. The container must be clean and of adequate size for the amount of product left over.

Close containers carefully and keep upright to avoid spills. Preserve the containers from frost, high temperatures and direct exposure to the sun.

Do not eat, drink or smoke during the preparation and application of the product.

Surface preparation and application operations must be carried out with the corresponding safety measures.

For more information, consult the Safety Data Sheet.

In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children.

Do not discharge into drains or the environment.

Dispose to an authorized waste collection point. Consult your town hall about the correct recycling of both the container and waste and leftovers of paint according to law and principles of environmental respect.

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