Technical Datasheet

JUNOPOXI 2C Epoxy

Product Code: 88882 Junomatic Industrial Tinting System

DESCRIPTION

Two component epoxy enamel, with excellent hardness and adhesion properties. Ideal for surfaces that require a smooth and shiny finish.
Good coverage and easy to apply. Offers resistance to acids, alkalis and solvents, and provides erosion protection to concrete pavements exposed to heavy traffic chemical attacks, aggressive cleaning systems, etc. Anti-dust properties.

USE: INTERIOR

Product widely used on concrete floors in: indoor car parks, garages, laboratories, chemical and pharmaceutical facilities, sugar and petrol refineries, electroplating facilites, mechanical workshops, and in general for any type of old and new industrial flooring. Prevents the premature damage of newly laid or old concrete.
Not recommended for use on asphalt tar or bitumen treated surfaces.

PROPERTIES

- Wide range of colors
- Exellent flow, levelling and hardness
- Prevents premature deterioration of concrete and its creation of dust.
- Seals, waterproofs and protects concrete pavements against spills of different types of liquids.
- Facilitates the cleaning of any type of superficial stains.
- Increases hardness and resistance against abrasion.
- Excellent penetration capacity sealing the concrete pore, which together with the strong adhesion of the epoxy resins, provides very good anchoring.
- Comes in colors with excellent opacity and coverage.
- Protects concrete pavements from eroding when subjected to intense traffic, chemical attacks, tough cleaning systems, etc.
- Excellent chemical resistance

CERTIFICATION

- Anti-slip rating: Class 3 with Microsphere Polybeads (Prod. Code 07250). Certifed as per UNE-ENV 12633, Annex A.

Finish: Gloss

Color: JUNOMATIC Industrial Color Tinting System

Mixture Viscosity: Min. 20 P S/FR 1002

Mixture Density:

P and TR Base: 1,34 ± 0,05 gr/cc S/FR1001

Drying: Touch Dry in 5-6 hours

Min. Repaint time: 12 hours

Max. Repaint time: 3 days

Diluent: JUNO D-90 Solvent

Performance: 9-10 m²/l/coat (50 dry microns)

Mixture Solids in Volume
BASE P: 51 ± 2 %. Teórico BASE TR: 45 ± 2 %. Teórico

Mixture Flash Point: Not flammable (30°C)

Continued Max. Temperature (Dry): 100 °C

Mix proportion A/B in volume: 2,27: 1

Mix proportion A/B in weight: 3,5:1

Mixture Potlife: 8 hours - Depending on temp.cond.

Mixture Induction time: 30 minutes

Relative humidity Maximum 70%

VOC Content: Maximum 500 grams/litre

88882 P-BASE 88883 TR-BASE

Format: 1L/4L/15 L

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SURFACE PREPARATION

METAL SURFACES. Must be clean, dry and free from grease, rust and calamine. Subsequently prime with Dynapok 2C primer (Prod. Code 22.722). After 24 hours, apply Junopoxi 2C enamel.

CONCRETE SURFACES. Wait until completely set (min. 1 month). The surface must be completely dry. The humidity level of the pavement should not exceed 4%, measured at 2 cm depth. The surface must be firm and free of dust, grout, calamine, grease or any 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 stains do not disappear. This is also necessary to improve adhesion when concrete is too smooth, or alternatively prime with **Imprimax 2/C Primer (Prod.Code.48725)** for excellent adhesion on polished or smooth surfaces.

Any slurry and curing agents should also be removed by sandblasting and milling, and subsequently remove any dust, to obtain a textured surface free from foreign materials.

The surface to be painted must have a high enough adherence level to ensure proper adesion.
It is advisable to carry out a prior test patch in the area to be painted(approx. 1m2) to check for the desired result, before going ahead and painting the whole surface.

APPLICATION TIPS

Stir the contents of the container until complete homogenization of the two components.Apply on consistent, clean surfaces, free of efflorescence (saltpeter) and molds.It is not advisable to apply the product on damp surfaces or excessively overheated by the sun. Necessity of dilution depends on the porosity and condition of the surface to be painted**.**

MIXTURE PREPARATION. Stir component A in its tub and once homogenised add component B to it slowly, while stirring mechanically at low revolutions. Stir for 2 minutes until perfectly homogenized. If moving the mixed product into a different tub or holder, stir again to guarantee a mixture that is as homogeneous as possible. Do not use the product after 8 hours of mixing the two components.

ENVIRONMENTAL CONDITIONS. During application and curing process the temperature should be maintained above 15°C.
The relative humidity should not exceed 65%. There should be no upward humidity.
The temperature of the substrate should 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. Short pile roller, brush or by spraying. When spraying thin out with 10-15% of D-90 diluent.
Normally 2 coats are applied, first coat diluted with 15% of **D-90 Solvent (Prod.Code 50.010)**, and the second coat to max. 5%. In case of needing maximum physical and/or chemical resistance it is recommended to apply a third coat. Time between coats should always exceed 12 hours, but be less than 72 hours.

CLEANING. Clean any tolls with **D-90 Epoxy Solvent (Prod.Code 50.010)**.

OBSERVATIONS

Total curing time where the product reaches maximum resistance is 7 days.

Floor surfaces should not be used untill total curing has taken place.

The use of sweeping machines for cleaning the floor can affect the brightness of the product and alter its color.

SAFETY & ENVIRONMENT

When dealing with a solvent based product ensure good air ventialtion and employ proper protection measures.
Avoid sources of ignition.
Minimize product waste by estimating the real amount needed, taking into account the m2, porosity and texture of the substrate.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 them upright to prevent spills. Preserve containers from frost, high temperatures and direct exposure to the sun. Store unused product for new use and to reduce environmental effects.

Do not eat, drink or smoke during the preparation and application of 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 reach from children. Do not discharge into drains or the environment. Dispose to an authorized waste collection point. Consult your council about the correct recycling of both packaging and waste and leftover paint according to law and principles of environmental respect.