

# Technical Datasheet

## PAVIMYC 2C Epoxy

Product Code: 07800 Floors



### DESCRIPTION

Two component epoxy enamel, with excellent hardness and adhesion properties. Ideal for surfaces that require a smooth and shiny finish. Ensures effective protection against carbonation of concrete. Good coverage and easy to apply product. Pavimyc offers resistance to acids, alkalis and solvents, and provides erosion protection to concrete pavements exposed to heavy traffic chemical attacks, aggressive cleaning systems, etc.

### USE: INTERIOR

Product widely used on concrete floors in: indoor car parks, garages, laboratories, chemical and pharmaceutical facilities, sugar and petrol refineries, electroplating facilities, mechanical workshops, and in general for any type of old and new industrial floorings. Prevents the premature damage of newly laid or old concrete.

Not recommended for use on asphalt tar or bitumen treated surfaces.

### PROPERTIES

- 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.

**Finish:** Gloss

**Color:** Grey, English Red, Green, Translucent

**Mixture Viscosity:** Min. 60" S/FR 1002

**Mixture Density:**

Translucent: 1,00 ± 0,05 gr/cc S/FR1001

Colors: 1,25 ± 0,05 gr/cc S/FR1001

**Drying:** Touch Dry in 5-6 hours

**Min. Repaint time:** 12 hours

**Max. Repaint time:** 24 hours

**Diluent:** JUNO D-90 Solvent

**Performance:** 6 m<sup>2</sup>/l/coat for colored Pavimic.  
8 m<sup>2</sup>/l/coat for translucent Pavimic.

**Mixture Solids in Volume** 45-50 % Theoretical, depending on color.

**Mixture Flash Point:** Not flammable (24°C)

**Continued Max. Temperature (Dry):** 100 °C

**Mix proportion A/B in volume:** 3 : 1 Color 2 : 1 Translucent

**Mix proportion A/B in weight:** 4 : 1 Color 2 : 1 Translucent

**Mixture Potlife:** 8 hours

**Mixture Induction time:** 30 minutes

**Relative humidity** Maximum 70%

**VOC Content:** Maximum 500 grams/litre

07807 GREY  
07814 GREEN

07812 ENGLISH RED  
07815 TRANSLUCENT



**Format:** 4L / 15 L

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### SURFACE PREPARATION

**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, grease or any loose particles. Minimum tensile strength 15 kg/m<sup>2</sup>.

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

Any slurry and curing agents should be removed by sandblasting and milling, and subsequently removing 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 adherence. It is advisable to carry out a prior test patch in the area to be painted (approx. 1m<sup>2</sup>) to check for the desired result.

### 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 CONDIITONS.** During application and curing process the temperature should be maintained above 15°C.

The relative humidity should not exceed 70%. 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. Normally 2 coats are applied: First coat diluted with 15% of D-90 Solvent (Prod.Code 50.010), and the second coat to max. 10%. 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 24 hours.

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

### OBSERVATIONS

It is essential that the following curing times are respected to give the product its maximum curing properties:

Pedestrian traffic: 12 hours

Light vehicular traffic: 2 days

Forklift use: 4 days

Total curing and hardening: 7 days

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 ventilation and employ proper protection measures.

Avoid sources of ignition.

Minimize product waste by estimating the real amount needed, taking into account the m<sup>2</sup>, 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 the reach of 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.

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