

# **RESITOP EPOXY PAINT SYSTEM DATA SHEET**

**(on concrete)**



- **DEFINITION**

2 component water-based epoxy paint, for coating, decorating and protecting concrete surfaces indoors.

Epoxy paint for priming and finishing with two finishes. One matte finish and one gloss finish. For application indoors, as its epoxy nature makes it sensitive to UV rays.

Designed to guarantee maximum resistance, safety and durability.

## **AREAS OF APPLICATION**

Car parks, garages, industrial plants, warehouses, etc.

As a fuel-resistant, anti-dust and protection treatment for concrete.

For constructing a surface layer on concrete, to prolong its lifespan.



Manufacture and distribution of water-based  
paints, acrylic resins and fillers

- **GENERAL CHARACTERISTICS**

0.1 to 0.2mm thick, continuous, coloured coating with smooth and soft finish for indoors. Anti-dust, easy to clean surface, seamless and with excellent adhesion to concrete surfaces, high resistance to wear and high resistance to potential chemical and fuel spills.

For areas of medium to heavy traffic at low speeds, with good resistance to vehicle manoeuvres, as it reduces vehicle friction with the surface.

- **SURFACE PREPARATION**

**New concrete surfaces:**

Concrete must be mechanically floated to a fine grade without being polished, being resistant, fully cured and free of impurities and loose or foreign matter. If necessary, imperfections such as cracks and potholes must be repaired. The surface will be sanded with fine sandpaper to open pores to ensure good absorption, and thorough cleaning will be carried out before proceeding to apply the primer and finishing coats.

The chosen system will then be applied.

- 1 primer coat of EPOXOL MATTE + 2 coats of EPOXOL MATTE
- 1 primer coat of EPOXOL MATTE + 2 coats of EPOXOL GLOSS

**Old concrete surfaces:**

Concrete must be in good condition, resistant, fully cured and free of impurities, including grease and oil, and loose or foreign matter. If necessary, imperfections such as cracks and potholes must be repaired. The surface will be sanded or diamond ground, always with a fine grain, depending on its condition, to refine, level, remove pollution and open pores to ensure good absorption, and thorough cleaning will be carried out before proceeding to apply the primer and finishing coats.

The chosen system will then be applied.

- 1 primer coat of EPOXOL + 2 coats of EPOXOL MATTE
- 1 primer coat of EPOXOL + 2 coats of EPOXOL GLOSS

### **Surfaces already painted with Epoxy paint:**

On floors already painted with epoxy paint, preparation of the surface is also essential. Check the proper adhesion of the old paint, as it is the base in contact with the flooring. If the old paint is correctly adhered, lightly sanding the old paint to make the gloss matte will be sufficient, thereby obtaining porosity for proper adhesion between coats. If the old paint is poorly adhered or we suspect it to be, it is recommended to remove all paint down to the concrete, and to begin with a clean surface, proceeding as if it were new.

- **LAYING AND INSTALLATION**

Apply within a temperature range of 10 to 35 degrees Celsius.

Do not apply if there is an imminent risk of rain, and always apply to dry, cured surfaces.

Do not apply a coat if the previous coat is not dry, and use clean water to make mixtures; tools and utensils must be cleaned with water.

Floors that have phreatic moisture are not compatible with epoxy paint. They cannot be painted when exceeding 4% moisture. This moisture which is “not visible to the naked eye”, exerts a perpendicular pressure on the surface, which may blister and even pull the epoxy from the surface. In case of doubt, a measurement must be taken with a hygrometer to check whether it is within the limits.

- **SYSTEM COMPONENT PRODUCTS**

#### **EPOXOL**

Highly pigmented water-based emulsion epoxy paint used as a primer in its matte version and as a final sealing and finishing paint in its matte or gloss version, which once applied serves to give the painted surfaces a decorative colour finish that is easy to clean and highly resistant to abrasion. Protects concrete floors subject to heavy traffic, chemical attacks and forceful cleaning systems, etc. from erosion.

Apply one coat of EPOXOL MATTE at a proportion of 0.200kg/m<sup>2</sup> as a primer layer and two coats of EPOXOL matte or gloss as a finish layer at a proportion of 0.120kg/m<sup>2</sup> for the first coat and 0.120kg/m<sup>2</sup> for the second. Can be applied with a rubber trowel, roller, brush or airless spray.

- **PROPERTIES OF THE FINISH SYSTEM**

**Approximate thickness**.....0.1 to 0.2mm

**Taber abrasion resistance UNE 48250**

CS-17 grinding wheel rubbing – 500 cycles.....68mg

CS-17 grinding wheel rubbing – 1000 cycles..... 145mg

**Tensile adhesion UNE-EN ISO 4624**

Adhesion to concrete (Mpa).....> 3.0

**Friction test (Slipperiness)**

**UNE – EN 12633 criteria**

Wet..... Rd 24 ( $15 < Rd \leq 35$ ) CLASS 1

- **GENERAL OBSERVATIONS**

The application of the products that make up the system must be carried out by specialised personnel. Improper application due to lack of equipment or installation in adverse conditions may lead to premature aging.

The resins must be dried and polymerised in dry weather and always at temperatures over +10 degrees Celsius.

They will be put into service within fifteen days after application of the final layer. This ensures full polymerisation of the resins in all layers.

In repairs resulting from movement of the slab, it cannot be guaranteed that these defects will not be reproduced in the new paving.

Observe current occupational safety and hygiene measures.

Dispose of waste by hiring an authorised manager.

Use appropriate protective equipment, avoiding contact with skin and eyes at all times.

Consult the product safety data sheets in case of doubt.

Containers must be stored in a covered area, protected from frost and high exposure to sunlight.