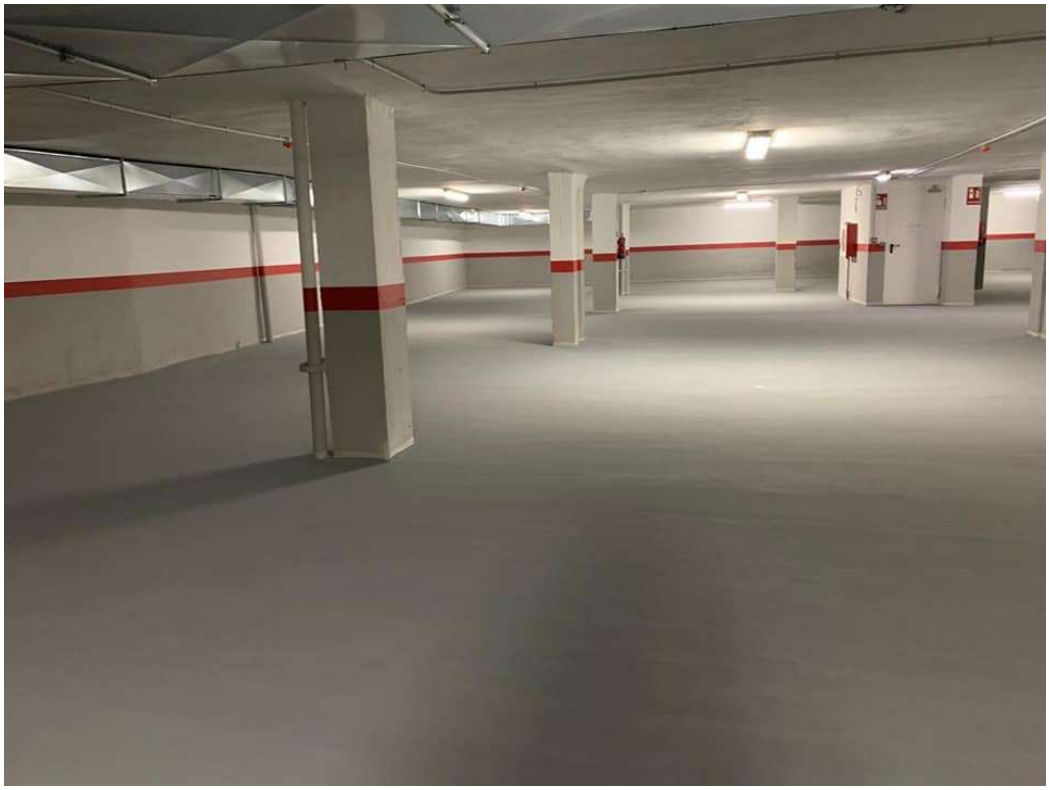
PINTURAS SERRANO

Resitop®
Resinas acrílicas
para suelos deportivos

RESITOP EPOXY MULTILAYER PARKING SYSTEM DATA SHEET

(on concrete)



- **DEFINITION**

Multi-layer coating for concrete surfaces. Colour coating composed of the successive application of different epoxy resin based surface preparation and finishing products, available in two finishes. One matte finish and one gloss finish. Both finishes are 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.
As a reconstruction of the bearing layer in old concrete.

PINTURAS SERRANO 2011, S.L. Pol. Ind. El Salvador Avda. Segunda, Parcela 81. 02630 La Roda (Albacete) Tel. 967443657 Tel. and fax 967441351

- **GENERAL CHARACTERISTICS**

1 to 2mm thick, continuous, coloured coating with mild micro-rough 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 to open pores to ensure good absorption, and thorough cleaning will be carried out before proceeding to apply the finishing coats.

The chosen system will then be applied.

- 2 coats of RESIEPOX + 2 coats of EPOXOL MATTE
- 2 coats of RESIEPOX + 2 coats of EPOXOL GLOSS

Old concrete surfaces:

Concrete must be 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, 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 finishing coats.

The chosen system will then be applied.

- 2 coats of RESIEPOX + 2 coats of EPOXOL MATTE
- 2 coats of RESIEPOX + 2 coats of EPOXOL GLOSS
-

- **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.

- **SYSTEM COMPONENT PRODUCTS**

PATCH BINDER

Cement modifying acrylic resin, mixed with sand and cement, used to repair cracks and fissures, as well as potholes.

Diluted in water, it is used as a primer coat for the surfaces to be repaired. Consumption as primer 0.100kg/m2. Application by roller, brush, airless spray or any other spraying method.

RESIEPOX.

A mortar based on water-based epoxy resins and specially selected fine mineral fillers to provide the surfaces to be treated with a uniform, resistant and adherent texture, ensuring optimal, strong and lasting anchoring to the concrete. An ideal layer to serve as a bond with subsequent finishing layers in multi-layer coating systems.

Apply two coats of RESIEPOX at a proportion of 0.900kg/m^2 for the first coat and 0.700kg/m^2 for the second with a rubber trowel.

EPOXOL

Highly pigmented water-based emulsion epoxy paint used as a final sealing and finishing paint, 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.
Supplied in matte or gloss finish.
Apply two coats of EPOXOL at a proportion of 0.300kg/m2 for the first coat and 0.150kg/m2 for the second. Can be applied with a rubber trowel, roller, brush or airless spray.

- **PROPERTIES OF THE FINISH SYSTEM**

Approximate thickness……1 to 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 60 (Rd >45) CLASS 3 Non-slip

- **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.

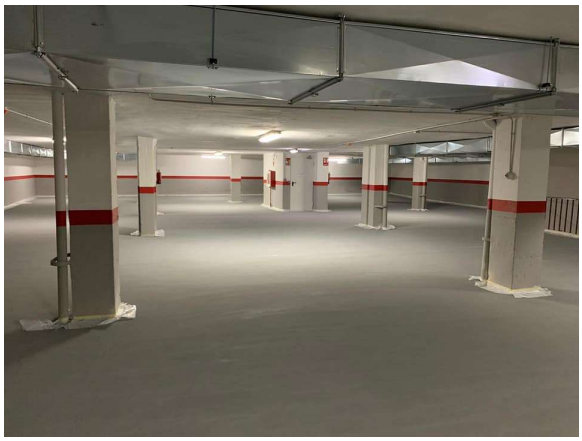
Dispose of waste by hiring an authorised manager.

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

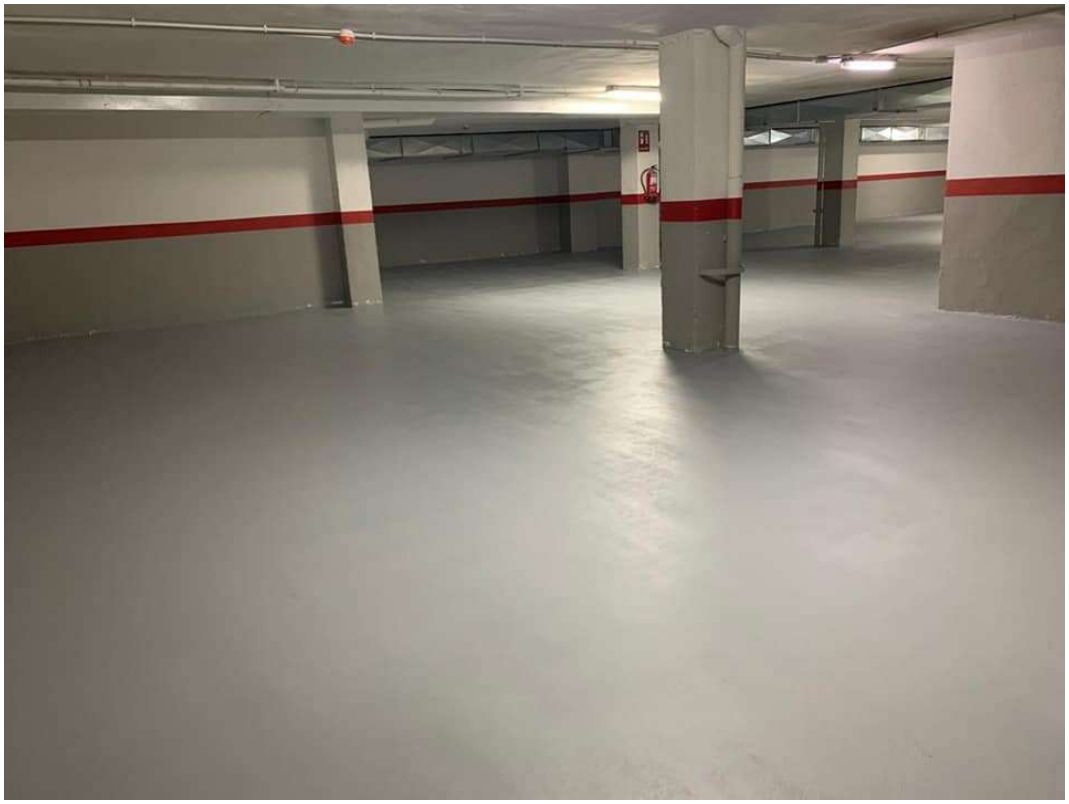
Consult the product safety data sheets in case of doubt.

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

1- Repair-preparation



2- Resiepox layers application



Final result – matte finish