PINTURAS SERRANO

Resitop®
Acrylic resins for sport surfaces
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TECHNICAL DATA SHEET

PA412 -EPOXOL

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

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Preparation name: **EPOXOL**
Code: PA412
Use of the preparation: Epoxy paint with a smooth finish.

2. DEFINITION

Water-based epoxy paint that once applied serves to give the painted surfaces a decorative colour finish that is easy to clean and highly resistant to abrasion. Protects concrete road surfaces that are subject to heavy traffic, chemical attacks, strong cleaning systems, etc. from erosion.

3. FIELDS OF APPLICATION

Indoor concrete floors and walls.
Garages.
Industrial premises.
Agricultural industries.
Workshops.
As a primer and bond layer on concrete surfaces of other indoor and outdoor paints.

4. SURFACE PREPARATION

To obtain maximum performance and ensure a high longevity of the Epoxol product, an adequate preparation of the application surface is essential:
Apply only on cured concrete.
If the surface has laitance, it should be removed by chemical or mechanical treatment.
The surfaces to be painted must be resistant.
Cracks and fissures, as well as potholes and flaking, must be repaired previously with suitable products.
It is essential that the surface to be treated is dry and free of dust, grease or poorly-adhered or foreign materials.
On surfaces with shine or with little pore, it is necessary to open the pore by sanding or chemical attack.
The temperature of the application surface at the time of application and until the polymerisation of the product occurs should be greater than 10 ºC.
Favour air circulation in closed premises.

5. APLICATION

EPOXOL is packaged in two component doses. Component A and Component B.
Mix the content of component A (base) with the content of component B (catalyst) and beat with a suitable mixer, always at low revolutions, until a homogeneous mixture is achieved.
If it has to be diluted, this will always be done after the two components are homogenous.
At least two layers of product are applied. The mixture can be diluted with water by adding a maximum of 5% of its weight (base + catalyst), for the first coat. This increases the power with which the product can penetrate the application surface.
For the second or subsequent coats it is advised not to dilute the product.
After mixing, let stand for 5 minutes. Subsequently apply the product on site before it reacts (approximately 1 hour), by roller, brush, airless gun or rubber scraper.
Do not apply the following layers without drying the previous ones. Do not repaint after three days from the last application, in this case it would be necessary to reopen the surface again.
The utensils and tools used should be cleaned with water.
Outdoor application as a topcoat is not recommended as the UV could cause the product to yellow and even white.

6. THECHNICAL CHARACTERISTICS

Nature: Epoxy resin dispersion via water.
Aspect: Semi-gloss.
Diluent: Water
Colours: Black, grey, green, blue and red. (White colour 5% maximum in dye).
Yield: 150 to 250 gr. per m2 and mixing layer depending on the condition and porosity of the application surface.

Density at 23 ºC: Component A (Base) 1.47 gr/cm3 (UNE-EN ISO 2811-1)
Component B (Catalyst) 1.02 gr/cm3 (UNE-EN ISO 2811-1)
Viscosity: Component A (Base) 134 KU (UNE 48076).

Drying: According to local conditions from 6 to 10 hours (to the touch)
Repainted: 24 hours. Do not repaint after 3 days.

Commissioning: Even though the surface is usable within three days, it is recommended not to open to heavy traffic until full polymerisation has occurred (10 days).
Presentation: Package 12 kg (A) + 6 Catalyst (B)
Package 6 kg (A) + 3 Catalyst (B).
Mixing ratio: 2 parts component A + 1 part component B (by weight)

All drying and repainting times described here are obtained in the application, with a temperature of 23 °C and a relative humidity of 50%, and these may vary, if the parameters mentioned above vary.

EU limit value for the product (Cat.A/j) 140g/l (2007)- 140 g/l (2010)
Max VOC content: 50 g/l

6.1 Characteristics of the finished product

Slip resistance: as per UNE-ENV 1233
Class 1 according to the Technical Building Code in its section SU1

Abrasion resistance: as per UNE 48250
Using CS17 wheels, a load of 500g and 1000g performing 1000 cycles.
Load of 500g weight loss 0.068 g
Load of 1000g weight loss 0.145 g

7. PRECAUTIONS

Always use clean drinking water.
Apply only to healthy, clean, dry and resistant surfaces that have been properly prepared.
Do not apply at temperatures below 10ºC.
Store the product protected from possible frost or exposure to the sun.
The maximum recommended storage is 12 months from its manufacture date in its original unopened container.
For its preservation it is advisable not to add water to the material that will not be used.
The mixed product, at rest, has a shelf life of approx. 2 hours

8. HYGIENE AND SAFETY

Do not eat, drink or smoke during use.
Keep out of the reach of children.
Avoid contact with skin and eyes.
Store the product in dry areas, and at a temperature between 5ºC and 35ºC.
Do not pour the waste down the drain.
Comply with prevailing Health and Safety at work legislation.
The person responsible for delivering the container waste or used container, for its proper environmental management, will be its final owner.

For more information see safety data sheet.

9. NOTES

The data reviewed here are based on our current knowledge, laboratory tests and practical use in specific circumstances and through objective judgements.

This data sheet overrides and replaces any previous one related to the same product.

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