

De la Peña

pinturas de la peña
fábrica de pinturas**HIGH-SOLIDS EPOXY PEÑA**

High-Solids Two Components Epoxy Paint for Floors

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It is a self-leveling paint based on two-components epoxy resins. It is solvent free and indicated for concrete or cement floors. It is a high-solids product that allows high thickness, with gloss finish, and results of high hardness and chemical resistance.

It is particularly suitable for interior floorings where high mechanical and chemical resistance, as well as daily cleaning is required (cellars, laboratories, fishmongers, butchers, etc.). It can also be used as self-leveling mortar: this paint will be mixed with silica sand (0.1-0.5 mm) in the proportion of a part by weight of paint with 0.5 parts of silica sand. It should be **shaken for 3 minutes**. The application is performed by extending the mortar with a trowel or jagged metal rake. Then you have to pass a nylon roll of metal tooth to equalise and remove the air of the surface.

Features

PIGMENTED BASE (COMP. A)	
Color	White, red and colours under order.
Finishing	Shiny
Specific weight	1'62 +/- 0'05 gr./cc.
Specific weight in the mix	1'45 +/- 0'05 gr./cc.
Viscosity at time of packaging	120 Sg cup Ford 4 to 25° C
Fixed material %	98 % +/- 2
Solid in volume %	98 % +/- 2
Theoretic performance	4 - 5 m ² / Lt. (over leveled floors) and it depends of the state of the surface.
Minimum recommended thickness	250 - 400 microns on two coats
Drying at touch	6 - 8 hours
Total treat	7 - 8 days
Life of the mix	35 - 45 minutes 20° C
Repainting	16 - 24 hours (maximum 7 days without opening the pore)
Thin with	Epoxy Solvent
Packaging	14 Lt. mixing (15 Kg. + 5 Kg.) and 4 Lt. mixing (4,3 Kg. + 1,4 Kg.)
Conservation	Keep away from extreme temperatures.
Stepable	24 hours
Walkable	48 hours
VOC's	Cat A/j (legal limit 500 g/l) max. cont. 110 g/l
HARDENER (COMP. B)	
Colour	Transparent
Specific weight	1'17 +/- 0'05 gr./cc.
TECHNICAL DATA (applus⁺ certificate)	
Tensile strength of concrete	3.9 N/mm ² Class B 2.0 (UNE-EN 13813)
Flexural strength	69.* N/mm ² Class F 50 (UNE EN 13813)
Compression strength	80.0 N/mm ² Class C 80 (UNE-EN 13813)
Hardness surface	211 N/mm ² Class SH 200(UNE-EN 13892)
Impact strength	14.7 N/mm ² (to 1500 mm height)

Application**Surface preparation**

To obtain an optimal result it's essential a correct preparation of the surface, which should be completely clean, dry and free of moisture, it should have pretreatment to facilitate adhesion of paints, and, at the same time, avoid defects as bubbles and chips.



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Floors of polished cement or concrete with low porosity:

Concrete floors can be prepared:

- Mechanically with machine milling machine or blast cleaning later all traces and particles loose with plenty of water and giving sufficient time to the surface to evaporate any moisture.
- Also you can prepare the surface by wiping it with hydrochloric acid (diluted hydrochloric acid), just leave the hydrochloric acid a few minutes(2-4) and then clean the surface with water to remove all traces.
- It must be sure to thoroughly from the floor this completely dry in order to start to paint. In any case, in addition to preparing the surface as we have just explained, it is highly recommended to first apply a coat of the diluted product 5-8% with solvent epoxy to improve penetration into substrate providing a better anchor.

Floors painted with epoxy paint:

In floors painted with epoxy paint, the surface preparation is also essential. Verify the correct adhesion of the old paint, since it is the base in contact with the pavement. Just gently sand the old paint to qualify the brightness as well will get the new coat of paint adheres properly between layers. You can use a machine polishing or cleaning putting an abrasive disc.

Floors with problems of damp:

The floors that have moisture groundwater are not compatible with the epoxy system. Above 4% moisture not paintable. This "not visible to the naked eye" moisture exerts pressure to the surface that could boot the epoxy. If in doubt, you should make a measurement with a digital hygrometer (consult manufacturer) to verify if it exceeds the maximum limits. In these cases a permeable paint should be applied (epoxy base water...). Once we have finished with the preparation of the surface can begin to prepare the epoxy paint.

APPLICATION:

The epoxy paint can be applied by brush, roller or notched trowel and finally used a roll of barbed to correctly remove the air occluded in the film. For roller application, we will use a wool or thread of short hair roller.

Add hardener (Comp. (B)) to the pigmented base (Comp (A)), mixing them by hand or with mechanical stirrer of low rpm (to not produce foam) until you get a perfect homogenization. Wait for 4-5 minutes approximately before you begin application.

We will apply a first coat of epoxy (can be diluted between 4-5% solvent epoxy) and we will wait 24 hours maximum to give the second coat. It is necessary to sand and prepare the surface between layers, provided that they have spent more than 24 hours between the application of the first and second or successive.

Do not apply at inside temperature below 10° C or higher than 30° C and air humidity should be less than 80%.

Used only by qualified staff.

Cautions

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P264 Wash the hands thoroughly after handling.
- P280 Wear protective gloves/protecting clothes/eye protection.
- P330+P331+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with



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water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, if present and easy to do. Continue rinsing.

P501 Dispose of contents and/or containers in accordance with local regulations of your town.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

See safety data sheet before use.



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