



TECHNICAL DATA

PR EPOX 100 AD 100% epoxy primer



DESCRIPTION

High performance 100% solids resin primer for use on substrates with high residual humidity, undercoat to stabilise substrates with humidity up to 100% for use in painting systems with an allowance of 0.300kg m², multilayer and or quartz saturation. It is important to ensure a minimum application rate of 0.500 kg/m² to function as a residual moisture barrier.

ADVANTAGES

- ✓ Good adhesion on concrete.
- ✓ Resistance to residual moisture.
- ✓ High solids content. 100%.
- ✓ Excellent coverage.
- ✓ Very good levelling capacity.
- ✓ Does not leave overlaps or joins.
- ✓ Low odour.
- ✓ Reusable once the can has been opened. (without catalysing the product).

RECOMMENDED USES

- Roller application approx. 0.3kg m²
- Rubber roller application consumption of 0.5kg m². If the application requires silica saturation the estimated aggregate consumption is approx. 1kg.
- Applied as a base coat with a mixture of 1 to 1 primer and aggregate 04-09 applied with a flat trowel leaving a 1.5kg m² ratio of 750grs primer 750grs aggregate (for multilayer systems or as a bonding bridge for mortar systems, terrazzo, etc., fresh saturation of 3/3.5kg of silicate 04-09.
- Can be used as a filler for crack repair with an added G9 thixotropic mix.
- Resin for the production of half reeds.

PRESENTATION

Glossy finish.
Kit 14.8kg. Comp A 10kg. Comp B 4.8kg.

TECHNICAL CHARACTERISTICS

Composition Vehicle Tijo epoxy resin.

Density 1.1 ± 0.02 kg/litre.

V.Solids 100%

Coverage: 0.300kg m². Roller applied.

Drying

To the touch	5 hours	
Total	12 hours	
Repainting	12 hours	Maximum 48 hours.

APPLICATION

Coats 1 coat at 0.300kg m²

Product mixing: Mix comp A and comp B until perfectly homogenised.

Mixing time: Maximum **20 to 30** minutes.

Recommended thickness 0.5kg applied in two coats for finishing of multi-layer and self-levelling system.

Dilution: As used.

Application temperature: Ambient and pavement temperature between 10 and 25 °C.

SURFACE PREPARATION

New surfaces:

Wait for the cement to cure completely (approximately 1 month). Render must be dry, clean and free of dust, grease, mould, algae and other contaminants.

Mechanical treatment by means of SAT diamond disc machine and subsequent vacuuming.

Repair of cracks and crazing using epoxy resin **PR EPOX 100 AD.** thixotropic.

Apply one coat of water-based epoxy primer, **PR EPOXW 20** on weak, absorbent or very alkaline surfaces. In case of fluorescence or saltpeter treat with dilute acid solution, rinse with plenty of water and allow to dry.

SURFACE PREPARATION

It is essential to regulate the porosity of the pavement so that it is sufficient to favour the penetration and anchorage of the paint. Best results are obtained through mechanical methods as, in addition to regulating the porosity of the substrate, they eliminate any type of unwanted substance or foreign body.

If a mechanical treatment is not possible, at least a chemical treatment must be carried out: elimination of foreign or unwanted agents by using diluted hydrochloric acid and then removing the remains of the acid with plenty of water; finally allowing the support to dry completely and proceeding with normal painting.

Painted surfaces:

If the paintwork is well adhered, sand with a rotary sander and then vacuum to remove loose particles, clean and degrease.

On satin-finished surfaces sand and vacuum.

Apply previously a coat of water-based epoxy primer, **PR EPOXW 20**, as a bonding primer on substrates with a relative residual humidity of 3 to 6% on the substrate.

On substrates with a residual humidity of less than 100% apply as a primer **PR EPOX -100 AD** 100% solids colourless primer with a dosage per m² of 0.300kg m².

Loose or unstable surfaces:

If the paintwork is old or badly adhered with defects such as chalking, blistering, chipping, cracking, etc., mechanically remove remains, repair cracks or flaws and apply a coat of **PR EPOX -100 AD** 100% solids colourless primer.

IMPORTANT:

In high humidity conditions or below 10°C, DOES NOT HARDEN. Do not apply the paint on very hot surfaces exposed to direct sunlight.

Surfaces in general should be clean, dry and free of grease, dust and rust. Floors should be clean, dry and well set (28 days) Residual floor moisture less than 6%.

Preferably roughened to improve adhesion.

On unpainted surfaces: Apply 2 or 3 coats (the first coat diluted (30%)) On surfaces with old paint: Remove the paint in bad condition and proceed as for unpainted surfaces.

Consumptions are approximate and will depend on the state of the support. For other application systems, please consult with the technical department.

Surface tensile strength must be $> 1.5 \text{ N/mm}^2$ and moisture content must be $> 1.5 \text{ N/mm}^2$. $< 4\%$. The concrete must have an open porous structure for good penetration of the primer.

It is recommended to prepare the substrate by polishing, milling or shot blasting.

CLEANING OF TOOLS.

All tools used must be cleaned after use. Never let the product dry on the tools. Remove residue with universal solvent, thinner, xylene.

STORAGE

Easy to mix by shaking, after storage for 12 months in closed containers. Does not form skins, clots or gels. Keep away from temperatures below 0 °C.

SAFETY

SAFETY, HEALTH AND ENVIRONMENT

In general avoid contact with eyes and skin, wear protective gloves, goggles and appropriate clothing. Keep out of reach of children. Use only in well-ventilated areas. Do not empty into drains. Keep container tightly closed and in a suitable place. Ensure proper transport of the product; prevent any accidents or incidents that may occur during transport due to breakage or deterioration of the container. Keep the container in a safe place and in the correct position. Do not use or store the product in extreme temperature conditions. You should always take into account the legislation in force concerning the Environment, Hygiene, Health and Safety at Work. For further information, it is essential to read the product SAFETY DATA SHEET.

It is advisable to periodically check the update status of this Technical Data Sheet.

Pinturas Pinay assures the conformity of its products with the specifications given in the technical data sheets. The technical advice given by Pinturas Pinay, before or after delivery of the products, is merely indicative and given in good faith and constitutes its best knowledge, in accordance with the current state of the art, but without guarantee of the final results as these depend on conditions of use beyond our control. All our sales are subject to our general conditions of sale, which we advise you to read.

See labelling and Safety Data Sheet.



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