



PR-EPOX W20 Water based epoxy primer

DESCRIPTION

General purpose two-component epoxy primer with excellent adhesion, as a bonding primer for concrete floors, cementitious self-levelling, epoxy-cement, waterproofing systems, paving and for many types of substrates.

Solvent-free. Can be finished with epoxy, polyurethane, waterproofing polyurethane membranes and polyureas.

ADVANTAGES

- ✓ Easy application.
- ✓ Odourless.
- ✓ Good adhesion on low porosity mineral substrates.
- ✓ Withstands a certain degree of humidity.
- ✓ Dilute with water.
- ✓ Do not leave as a top coat
- ✓ Can be coated with any of our finishing enamels.

RECOMMENDED USES

The two-component water-based primer is suitable as the first coat of the protection system for water-based epoxy, solvent-based epoxy, 100% solids epoxy floors, as a bonding coat in old epoxy and polyurethane systems, also as a first coat when applying polyurethane membrane and acrylic waterproofing, cold polyureas, cement-based, slurry, etc.

One coat of primer is sufficient as an adhesion bridge as long as the porosity of the substrate is not very absorbent. If it has a very high absorption, apply a second coat. If the topcoat is degraded, apply the primer with a higher percentage of water for its consolidation and subsequent application as a bonding bridge.

PRESENTATION

Colour: Colourless.

Semi-matt finish.

Formats of 0.75+0.25 Kg, 3+1 kg and 12+4 Kg.

TECHNICAL CHARACTERISTICS

Composition	Fixed vehicle: Epoxy resins Solvent: Water.
Density	1.04 ± 0.02 kg/litre.
Coverage	0.50 m ² /Kg and coat.
	Drying: Touch-dry, 8 hours Total: 7 days Repaint: Between 12 and 24 hours. Then sand to open the pores before applying the finishing enamel.

APPLICATION

Coats: 1

Mixing: Mix the primer with its catalyst in a 3/1 ratio until it is perfectly homogenised. Use an electric stirrer at low speed for two to three minutes, avoiding the introduction of air as much as possible. Then add water to the mixture and homogenise. Do not add water afterwards.

Pot life: Maximum 45 minutes.

An appreciable increase in viscosity indicates the end of the useful life of the mixture, and it should not be used.

Apply by brush, roller or spray as appropriate.

Dilution: First coat 30% with water on absorbent substrates or degraded wearing course, following coats 10% with water.

Application temperature: from 5 to 30 °C.

SURFACE PREPARATION

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 SAT diamond disc machine and subsequent vacuuming.

Repair of fissures, cracks and crazing using thixotropic 100% solids PR EPOX 40 epoxy resin.

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

It is essential to confirm the porosity of the pavement so that it is sufficient to allow 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 mechanical treatment is not possible, at least one chemical treatment must be carried out. Eliminate foreign or undesired agents by using dilute hydrochloric acid and then removing the remains of acid with plenty of water; finally allowing the substrate 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 a coat of water-based epoxy primer, PR EPOXW 20, as a bonding primer beforehand.

Surfaces in poor condition:

Old, loose or flakey paint, chalking, blistering, chipping, cracking, etc must be removed mechanically. Repair and apply a coat of water-based epoxy primer, PR EPOXW 20.

IMPORTANT: In high humidity or below 10°C, DOES NOT HARDEN. - Do not apply the paint on very hot substrates due to sun exposure.

Surfaces in general must be clean, dry and free of grease, dust and rust. Clean, dry and well-cured floor (28 days).

Residual moisture less than 6%.

STORAGE

Mixes easily by shaking, after storage for 12 months in closed containers. No skin, clots or gels. Keep away from temperatures below 0 °C.

SAFETY

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 upright. Do not use or store the product in extreme temperature conditions. 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 Datasheet.

Pinturas Pinay guarantees 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 on the final results as these depend on conditions of use that are beyond our control. All our sales are subject to our general conditions of sale, which you are advised to read thoroughly.

See labelling and Safety Data Sheet.