



PR-EPOX W30 Pigmented water based epoxy primer

DESCRIPTION

Pigmented water-based epoxy primer with excellent adhesion for general use, as a moisture-regulating adhesion bridge. Specially designed for fibre cement, sandwich panel, galvanised, concrete, mortar, catalan resin, etc. It allows the finishing in epoxy, polyurethane and polyurethane membrane, polyureas, etc.

ADVANTAGES

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

RECOMMENDED USES

The two-component waterborne primer is suitable as a first coat of a protective system for waterborne epoxy, solvent epoxy, 100% solids epoxy floors, as a bonding coat on old epoxy and polyurethane systems and old waterproofing systems. Suitable for waterproofing systems.

PRESENTATION

Colour: Oxide red.
Satin finish.
Formats: 10 + 2 Kg.

TECHNICAL CHARACTERISTICS

Composition:	Fixed vehicle: epoxy resins. Solvent: Water.
Density:	1.35 ± 0.02 kg/litre.
Coverage:	0.150kg m ² /Kg and coat, depending on substrate.

Solids content: 57%

Drying: To the touch: 8 hours
Total: 7 days
Repainting: Between 12 hours and 24 hours. After this time, sand to open the pores before applying the topcoat.

APPLICATION

Coats: 1

Mixing of the product: Mix the primer with its corresponding catalyst in a 5/1 ratio until it is perfectly mixed.

Use an electric stirrer at low speed for two or three minutes, avoiding the introduction of air as much as possible. Then add water to the mixture and mix thoroughly. Do not add water afterwards.

Mix life: Maximum 45 minutes.

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

Apply by brush, roller or spray as appropriate.

Dilution: First coat 10%, with water.

Application temperature: Ambient temperature from 5 to 30 °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 fissures, cracks and crazing using thixotropic 100% solids **PR EPOX 100S** epoxy resin.

Apply one coat of water-based epoxy primer, PR EPOXW 30 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.

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 30, as a bonding primer.

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 W30**.

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.

COLD MATERIALS: When dealing with epoxy resins and urethanes, cold material will result in slower than normal cure times and may affect their physical properties once cured. Cold materials are more difficult to mix, spread and level. Before materials are applied in cold temperatures, they should be stored in a heated environment or in a heated storage container at the ideal temperature indicated on the Product Data Sheet. The longer the materials can be stored in a heated environment, the better they will perform.

- **COLD ENVIRONMENT TEMPERATURES:** This condition will also cause slower than normal cure of epoxy and urethane materials. It will also make them more difficult to roll out and level. It may cause bubbling/blistering problems because the viscosity of the epoxy has increased due to the cooler temperatures, preventing the vapour trapped in the substrate from escaping. Prior to application, the temperature in the application area should be at normal service temperature for a minimum of 48 hours. If necessary, use forced heat by means of portable heaters.

- **COLD SURFACE TEMPERATURES:** Concrete surfaces that have a temperature of 10°C or below will drastically slow down the normal curing of epoxies and urethanes and can reduce cure by up to 6 hours or more. It can also affect the physical properties of cured membranes, making some epoxies flexible. Cool substrate temperatures can prevent epoxies from "wetting" or penetrating the concrete surface, leading to adhesion problems. Prior to application, service temperatures should be at normal operating conditions, a minimum of 15°C, for a minimum of 48 hours. If this cannot be achieved, the use of heat stressing may be necessary.

- **BASEMENTS, SPACES WITH LITTLE VENTILATION:** in spaces with little ventilation or basements, the relative humidity due to condensation reaches levels at which the products suffer various consequences on the finishes from condensation in the environment due to the curing of the product.

- **RECOMMENDATIONS:**

1. Air renewal with ventilation equipment before, during application and in the curing process.
2. Use a heat gun covering the whole area to help eliminate humidity, reaching a temperature of both the support and the environment suitable for the execution of the products.
3. Do not apply epoxy, polyurethane, acrylic, under any circumstances below 10°C.
4. The substrate and ambient temperature must be at least 3°C above dew point during application.

HOT SUBSTRATE / AND / OR MATERIAL: Substrates exposed to high temperatures exceeding 26°C directly affect the physical and chemical properties of the materials. The direct effects on the application as the materials depending on their nature will have a cause and effect such as: cracking, micro cracking, orange peel, cracking, accelerated drying with the loss of their properties, colour changes, loss of levelling, etc.

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 Datasheet.

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 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 we advise you to read.

See labelling and Safety Data Sheet.



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