

Rocky EPOX PWB

Description

ROCKY EPOX PWB is a two-components, water dispersed epoxy primer formulated for high performance protection. The product has waterborne advantages of low VOC, no solvent emission, and easy clean-up, low odor and application flexibility (airless spray, brush, and roll).

ROCKY EPOX PWB is compatible with most high-performance finish coats and, in many cases, can be used as an effective barrier coat when coating previously painted surfaces. The product can also be used as a primer for damp concrete or masonry surfaces. PRIME POXY WB is supplied in pre-weighed packs ready for use on-site. When mixed and applied to concrete or masonry surfaces, it cures to form a hard, semi matt barrier coating to restrict the ingress of dampness through concrete masonry.

Use

- Concrete surfaces
- Steel and aluminum
- Refineries
- Zinc-rich coatings
- Manufacturing equipment
- Pipe racks
- Structural steel
- Power Plants

Advantages

- Impact and abrasion resistant
- Excellent corrosion resistance
- Low VOC and inflammable
- Quick-dry for time critical applications
- Low viscosity, which gives deep penetration and high bonding
- Outstanding early moisture resistance
- Ideal application in laboratories, hospitals and food areas

Technical Properties

Appearance	Liquid
Color	Milky and change to transparent when dry
Mix Density at 25°C	1.05 kg /L
VOC	negligible
Solid Content	60%
Viscosity at 25°C	> 2000 mPa.s
Pot-life time at 25°C	90 minutes
Drying time at 25°C	4 hours
Service Temperature	-5°C to +80°C

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Mixing

For preparation of product, pour component B (Hardener) into component A (Base) and mix carefully with electric mixer at low number of turns, till obtaining a homogenous mix.

For general application, after mixing part A and B, additional water is required to adjust the application viscosity. Slowly add water in the ratio of 1-part water: 4-part mixture of (A&B).

Application

The mixed ROCKY EPOX PWB should be applied to the prepared surface using a brush or lamb's wool roller at a consumption rate of 3-5 m²/ Liter. Ensure that the area is completely coated, and that 'ponding' of the material does not occur since water may be trapped within the product, thus preventing complete cure. The second coat may be applied as soon as the first coat has initially dried (typically 4 - 6 hours). The time will be dependent on the type of surface and the ambient conditions.

Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.

Apply the finishing topcoat after ROCKY EPOX PWB has dried to a transparent film (no milky spots) and is tack-free.

Cleaning

Wash tools and hands with water promptly before material hardens. Cured material must be mechanically removed.

Recommendations

ROCKY EPOX PWB should not be applied on asphalt floor and PVC tiles
ROCKY EPOX PWB should not be applied on the surface that has greater than 4% maximum moisture content

Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Steel (Atmospheric Service)

Remove all oil and grease from surface by cleaning with solvent. For better performance, use sand blasting cleaning method.

Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

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Masonry and Concrete

Surfaces should be thoroughly clean and dry. Concrete and mortar must be totally cured. Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with any of EPOFINISH C or BETOFINISH C concrete repair products. Weathered masonry and soft or porous cement board must be cleaned, or brush blasted to remove loosely adhering contamination and to get to a hard, firm surface.

Coverage

ROCKY EPOX PWB is available in 4- and 15-Liter packing.
Consumption: 3-5 m²/ Liter per coat according to the porosity of the surface.

Shelf Life & Storage

Store the product in dry closed place with temperature between +5 °C to +35°C. In these conditions, the product maintains its stability for 12 months.

Important Note

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