

ProPOXY WB™

TECHNICAL DATA SHEET



DESCRIPTION

ProPoxy WB is a uniquely versatile, high solids, low odor, water-based floor and wall coating system. At a 3:1 mix ratio, its higher viscosity makes it ideal as a primer for porous concrete and block walls, or as a grout coat over decorative flake. Diluted in the field with 1 part, clean water (3:1:1) reduces its viscosity for deeper substrate penetration and better flow and leveling. **ProPoxy WB** is semi-permeable, tolerating high moisture vapor conditions as a breathable material.

FEATURES & BENEFITS

- ◆ Primer, Sealer, Base, & Grout Coat
- ◆ Water-Reducible for Lower Viscosity-
- ◆ Semi-Gloss Finish
- ◆ Up to 20+ Minutes Working Time, with Fast Dry & Recoat Time
- ◆ Clear Film @ 5-20 Mil Thickness
- ◆ Moisture Tolerant - Can be applied to green concrete in as little as 2-3 days as a concrete sealer
- ◆ Semi-Permeable - Allows moisture through the concrete coating without failure

TYPICAL USES

- ◆ Warehouses
- ◆ Garages
- ◆ Commercial/Retail
- ◆ Decorative Concrete
- ◆ Light Industrial
- ◆ Wall Coatings

PACKAGING

- ◆ 5 gallon white pail - Resin
- ◆ 5 gallon black pail - Hardener
- ◆ 1 gallon white pail - Resin
- ◆ 1 gallon black pail - Hardener

STORAGE

Materials should be stored indoors between 60°F (16°C) and 90°F (32°C).

SHELF LIFE

One (1) year from date of manufacture.

LIMITATIONS

This product is best suited for application in temperatures between 50°F and 90°F. The presence of surface contaminants such as oil, silicones, or other agents may cause **ProPoxy WB** to fisheye or crawl. Surface contaminants should be removed with a suitable detergent and/or mechanical preparation prior to application.

ProPoxy WB should not be applied greater than 20 mils (WFT). All divots, cracks, spalls, or voids should be pre-filled to ensure there is a hard cure of the material.

ProPoxy WB will cure quicker in drier conditions when the relative humidity is below 50% at 70°F, and there is some air movement in the application environment to facilitate evaporation rate. The coating will cure at a slower rate with higher humidity & lower temperature conditions, and with little or no air movement for evaporation.

PRODUCT GUIDE

1. **ProPoxy WB Resin** is a water-based epoxy resin offering good viscosity for body and flow so it can be easily applied when combined at **1 part** resin and **3 parts ProPoxy WB** hardener.
2. **ProPoxy WB Hardener** is a water-based epoxy hardener balancing reasonable working time with a 3-4 hour cure (70°F, 50% RH) when combined with **ProPoxy WB Resin**.

COVERAGE RATE

If applied as a primer/sealer, a gallon of **ProPoxy WB** will vary in spread rate with surface irregularities and greater porosity in the concrete substrate. A **minimum** application of **5 mils (WFT)** will cover approximately 320 s.f. per gallon. As a body or grout coat, do not exceed more than 20 mils (WFT) in a single application.

PRELIMINARY FLOOR INSPECTIONS

CHECK THE CONCRETE: Concrete must be structurally sound, dry, and free of dust, laitance, curing compounds, paint, sealers, or other contaminants. If you suspect that the concrete has been previously sealed, call **ProREZ** technical support for further instructions.

CHECK THE TEMPERATURE AND HUMIDITY:

Floor temperature and materials should be between **55°F** and **90°F**. Excessive humidity above 75% will significantly reduce evaporation rates and overall cure of the material. With higher humidity, proper air movement is recommended.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be mechanically profiled (ASTM 4259-83), clean, sound, and dry. Removing any residual dust will help ensure a tenacious bond between **ProPoxy WB** and the substrate.

JOINT GUIDELINES

Depending on preference, joints may or may not be filled. If the joints are filled, non-moving joints, i.e. construction or control joints can be treated by using **FlexPoxy** with **ProThickener FX**.

Note: Coating applied over filled joints may crack if there is concrete movement.

MIXING INSTRUCTIONS

Application Equipment:

- ◆ Personal Protective Equipment (PPE) & clothing per SDS (Safety Data Sheet)
- ◆ Jiffy® Mixer Blade (ES Model)
- ◆ Clean Mixing Container
- ◆ Low Speed /High Torque Power Drill
- ◆ Shed-Resistant Roller Cover- 3/8" Nap
- ◆ Application Squeegee

Mix ratio for **ProPoxy WB** is **3 parts Hardener to 1 part Resin** by volume. When combining, be sure to add the hardener into the clean mixing container first. Then add the resin scraping out the container. Always pour into the **center** of the mixing container. Add 1 part, clean, potable water to reduce viscosity, if desired. Mix the components thoroughly for **1-2 minutes** with a Jiffler ES style mix blade. **ProPoxy WB** has an extended pot life of 1 hour at 70°F, 50% RH in 1 gallon volume mass.

CLEANING GUIDELINES & MAINTENANCE

Allow floor coating to cure at least 3 days before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).

CARE

Proper maintenance will increase the service life and help maintain the appearance of your new ProREZ floor coating system. This product is considered to be a low maintenance coating system, however, certain textures and service environments require specific procedures. SEE "CLEANING GUIDELINES" for more information.

CAUTION

Avoid scratching or gouging the surface. All floor coatings will scratch if heavy or sharp objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may cause chipping or concrete pop-outs in the case of a weak substrate cap.

Rubber tires can permanently stain the floor coating from plasticizer migration. In warehouse & industrial settings, the use of non-marking tires is highly recommended to prevent discoloration. Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

REPAIRS

Repair gouges or scratches or chip outs as soon as possible to prevent potential chemical contamination.

DISPOSAL

Dispose in accordance with federal, state and local regulations.

TECHNICAL SUPPORT

For any application questions, please call ProREZ technical support at 877.511.3456.

SDS

PLEASE SEE SAFETY DATA SHEET (SDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED. **KEEP OUT OF THE REACH OF CHILDREN.**

| PHYSICAL CHARACTERISTICS | |
|--------------------------------------|--|
| Appearance (cured) | Clear |
| Percentage Solids by Weight | 74% undiluted; 60% diluted with 1 part water |
| Mix Ratio (by volume) | 3 parts Hardener & 1 part Resin (Optional: 1 part Water) |
| Mixed Viscosity at 70°F | 1,850 cps |
| Pot life at 70°F, 50% RH | 60 minutes (1 part Water) 40 minutes (Neat) |
| Cure Time, Tack-Free at 70°F, 50% RH | 3-4 hours foot traffic 18-24 hrs for normal operation |
| Working Time at 70°F, 50% RH | 20+ minutes |
| Recoat Window | Maximum of 36 hours |
| Coverage Rate | 5 mils (WFT), 320 sq ft/US gallon |
| Volatile Organic Compound | (VOC) <50g/l, mixed |

| PHYSICAL PROPERTY | TEST METHOD | RESULT |
|---|-------------|--------------------------------|
| Hardness (Pencil) | ASTM D-3363 | 2H |
| Tensile Strength, psi | ASTM D-2370 | 3,300 |
| Percent Elongation | ASTM D-2370 | 15% |
| Adhesion to Concrete | ASTM D-4541 | 400 psi, concrete failure |
| Impact Resistance | ASTM D-2794 | >160 in/lb |
| Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles | ASTM D-4060 | 35 mg loss |
| Coefficient of Friction (James Friction Tester) Wet Dry | ASTM D-2047 | 0.55 (smooth) 0.65 (smooth) |

Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.