FLEXPOXY™

ProREZ™
Performance Resins and Coatings
ProREZ Coatings, LLC
P.O. Box 153, Cromwell, CT 06416-0153
877.511.3456 ● www.prorezcoatings.com

TECHNICAL DATA SHEET

DESCRIPTION
The **FlexPoxy** system is a uniquely versatile elastomeric hybrid epoxy and waterproofing membrane. It is a clear, two component, low odor, 100% solids material specially engineered to stay flexible and tough, with good bridging capacity for horizontal movement of up to 1/8" without fracturing the **FlexPoxy** material.

FEATURES & BENEFITS
- Low Odor
- Built-In Adhesion Promoter
- Good Elastomeric Properties
- Waterproofing Membrane
- Universal Colorants
- **MicrobeBLOK** Antimicrobial

COLORS
See "Color Guide"

TYPICAL USES
- Mechanical Rooms
- Slabs-On-Deck
- Parking Garages
- Pedestrian Decks
- Locker/Shower Rooms

PACKAGING
- 5 gallon white pail - Resin
- 5 gallon black pail - Hardener
- 1 gallon white pail - Resin
- 1 gallon black pail - Hardener
- 50 gallon drum

STORAGE
Materials should be stored indoors between 60°F and 90°F.

SHELF LIFE
One (1) year from date of manufacture.

LIMITATIONS
This product is best suited for application in temperatures between 60°F and 90°F. **FlexPoxy** is not designed to be applied as a finish or wear coat. It is light sensitive to ambering over time, and requires a UV stable topcoat. Do not apply under **ProKrete**.

OPTIONAL
ProThickener FX (fiber thickener)

ProColor Universal Colorants (on-site pigmenting)

ProFlake Colored Polymer Chips

PRODUCTS GUIDE
1. **FlexPoxy Resin** is a versatile **1:1** elastomeric hybrid epoxy designed with exceptional built-in resiliency and functionality. With its low viscosity, it can be easily applied when combined with **FlexPoxy Hardener**.

2. **FlexPoxy Hardener** allows for moderate working and cure time when combined with **FlexPoxy Resin**.

PRELIMINARY FLOOR INSPECTIONS
CHECK THE CONCRETE: Concrete must be structurally sound and free of curing membrane, paint or other sealer. If you suspect that the concrete has been previously sealed, call **ProREZ** technical support for further instructions.

CHECK FOR MOISTURE: Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. Calcium chloride testing or in-situ relative humidity testing is recommended. Test methods can be purchased at **www.astm.org**, see ASTM F1869-11 or F2170-11, respectively or follow manufacturer's instructions. Readings must be below 3lbs/1,000s.f./24hrs (ASTM F1869-11) or 75% internal relative humidity (F2170-11).

***Note:** Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

CHECK THE TEMPERATURE AND HUMIDITY: Floor temperature and materials should be between 60°F and 90°F. Humidity must be less than 95%. DO NOT coat unless floor temperature is more than five degrees over the dew point.

APPLICATION RANGE
A gallon of **ProREZ FlexPoxy** will cover in the following manner, with a ***standard spread rate**: 20-30 mils or 53-80 s.f. per gallon. *Application of body coat is variable in thickness depending upon condition of substrate and type of system.

SURFACE PREPARATION
This product requires preparation in order to perform as expected. Substrate must be mechanically profiled (ASTM 4259-83), clean, sound, and dry.

JOINT GUIDELINES
Depending on preference, joints may or may not be filled. If the joints are filled, nonmoving joints, i.e. contraction or control joints can be treated by using **ProPoxy** with **ProThickener,** or by using **ProMender HF**.

Note: Coating applied over filled joints may crack if there is significant 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 **FlexPoxy** is **1 part Resin** to **1 part Hardener** by volume. **8-16 oz.** of **ProColor Universal Colorant** is recommended **per gallon** of material. (See product label.) When field pigmenting, it should be added and mixed in homogenously to the resin prior to adding the hardener. When combining, be sure to add the hardener into the clean mixing container first. Then add the resin (clear or pigmented) scraping out the container. Always pour into the **center** of the mixing container. Mix the components thoroughly for **1-2 minutes** with a Jiffler ES style mix blade. Mix only enough material at one time that can be applied without exceeding the pot life.

CLEANING GUIDELINES & MAINTENANCE

Allow floor coating to cure at least one week 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 moisture or 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	
Percentage solid by weight	100%
Mix Ratio (by volume)	1 part Resin & 1 part Hardener
Viscosity at 70°F	1200 cps
Pot life at 70°F	40 minutes
Cure Time, Tack-Free at 70°F	18 hours light foot traffic
Working Time at 70°F	40 minutes
Recoat Window	Maximum of 36 hours
Coverage Rate	Min. 20 mils, 80 sq ft/US gallon Applied as Elastomeric Membrane
Volatile Organic Compound	(VOC) nil

PHYSICAL PROPERTY	TEST METHOD	RESULT
Hardness (Shore A)	ASTM D-2240	80
Tear Strength, PIT	ASTM D-1004	74
Tensile Strength	ASTM D-412	1,200 psi
Tensile Elongation	ASTM D-412	200%
Adhesion to Concrete	ASTM D-4541	>400 psi, substrate fails
Impact Resistance	ASTM D-2794	>160 in/lb
Water Absorption	ASTM D-570	<0.1%
Flame Test	ASTM E-684	Class 1