

# RainguardPro® 100% Epoxy

100% Solid Epoxy

## TECHNICAL DATA SHEET



### RainguardPro® 100% Epoxy CSI Reference

03 35 00 Concrete Finishing
03 35 40 Concrete Finishing
05 05 13 Metal
09 61/96 Finishes
09 96 35 Finishes
09 90 00 Finishes
09 96 56 Finishes

### Description

RainguardPro® 100% Epoxy is a high-quality solvent-less two-component epoxy coating with an ultra-clear finish. Designed for heavy traffic and high-use substrates, this ultra-durable epoxy will hold up to the harshest industrial traffic and chemical spills. Ideal for filling cracks and providing a hard durable finish on previously coated or new concrete.

### Recommended Uses

- Warehouse Floors
- Aircraft Hangars
- Crack Filling
- Industrial Floors
- Showrooms
- Commercial Kitchens
- Autobody Shops

### Features & Benefits

- Self-Leveling
- Ultra Clear Finish
- Crack Filling
- Easily Control Mil Thickness
- Long Pot Life (2-Hours)
- Extremely High Adhesion
- Contains no solvent (VOC = 0 g/L)

### Color and Finish

Color	Finish
Clear	High Gloss

### Color-Pack

Color packs are available and premeasured to be added directly into the Part A of the epoxy system. For custom colors please reach out to your local RainguardPro representatives to get a quote and lead times.

### Coverage Rate by Substrate (theoretical)

200-300 sqft per gallon (5.2-8 mils dry)

### Surface Preparation

All surface prep for concrete should follow ICRI standards for surface texture and cleanliness. Surface should comply with SSCP-SP13 guidelines. It is recommended to install a moisture-barrier before applying this product to prevent moisture delamination.

Prior to application, all surfaces shall be clean and dry with no oils, dirt, debris, or minerals such as efflorescence, lime and calcium. These stains, along with others, will prevent proper penetration of RainguardPro® 100% Epoxy for the warranty period.

The use of Rainguard's Restore-N-Prep™ Concrete and Masonry Cleaner system is recommended as a pre-treatment to clean masonry surfaces. Once clean, allow the surface to fully dry before sealing or applying a top-coat (See the Restore-N-Prep™ TDS for details).

### Restore-N-Prep™ CSI Reference

03 01 40 Concrete Finishes
03 10 30 Concrete Finishes
03 10 50 Concrete Finishes
04 01 20 Unit Masonry
04 01 40 Unit Masonry

### Test Panel

Always apply RainguardPro® 100% Epoxy onto a mock floor or test panel. Test the wall or an actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

### Mixing (continued on page 2)

Part A to B ratio is 3:1 by weight, however it is pre-proportioned to prevent errors in custom mixing. DO NOT deviate from these instructions. Always mix Part A and Part B separately. Mixing partial kits could result in improper mix ratios and affect curing and final performance of material

1. Pour the contents of Part B into the Part A. Scrape the residue to ensure you are getting all of the Part B into Part A.



## Mixing (continued)

2. Use a jiffy blade or RainGuard EasyClean mixer or appropriate mixing device at low speed for 3-4 minutes until both parts are thoroughly mixed and consistent. Using the blade at low speeds will help prevent whipping air and causing bubbles.
3. After mixing, allow for 3-5 minutes of sweat in time before starting application.
4. DO NOT thin this product.

## Pre-Application Testing

We recommend before application to test for existing sealers or contaminants. Drip some water on the concrete, if the water beads up there is a prior sealer or contaminants that need to be removed before application. If the water penetrates and darkens the concrete, then no sealer is present.

Water tests should be conducted to ensure that there is minimal moisture vapor transmission. This can be confirmed by ASTM D4263. If after performing moisture test there is moisture use ASTM F1869. You can use either ASTM F1869 or ASTM F2170 higher moisture levels should use moisture vapor barrier primer prior to epoxy. If so, we recommend an application of our Optimal Prime as a vapor barrier first.

## Application Instructions

Product can be brushed, rolled or sprayed. For large areas squeegees are recommended.

**Squeegee:** Smooth/notched blade squeegee's are recommended. Pour the material on the substrate and spread evening while pulling the material towards the applicator. Work in a uniform process to ensure a consistent finish. Means and methods of application are up to the applicator. Do not allow moisture, dew and rain to interact with the epoxy while curing.

**Roller Application:** We recommend a 3/8" or 1/2" nap size shed resistant phenolic core cover. Work the material back and forth until even. Do not overwork material, it will self level and even out roller marks naturally. Do not allow moisture, dew and rain to interact with the epoxy while curing.

## Safe Handling

Use product only with adequate ventilation and/or an appropriate cartridge type respirator. Avoid contact with skin and wear protective gloves. Read the Safety Data Sheet before using.

Customer Service Help-Line 888.765.7070

## Clean Up

Clean up promptly by washing with acetone or recommended clean up solvent before product cures. Once cured, product can only be removed from equipment mechanically. Cured product can only be removed mechanically. Dispose of according to local, state and federal requirements.

## Precautions

This is a high gloss finish and can be slippery when wet. It is the duty of the applicator to determine where Non-Skid aggregate is appropriate. Top coats can include Non-Skid or they can be broadcasted into the wet film of the epoxy and back rolled to encapsulate the texture.

Use material in a well-ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths. Protect automobiles and all other areas not to be coated from overspray. Remove overspray from any windows, automobiles, metal, etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner.

All surfaces to be coated should be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. All cracks should be pointed or caulked. All voids, beeholes, masonry surface defects and openings such as conduits, pipes, drains, door frames, vents, air conditioner openings, electrical openings, control joints, or any dissimilar materials should be repaired using urethane or other approved patching. If an acid etch or an acid stain has been applied to the surface, it must be thoroughly flushed to remove all residue and then allowed to dry completely.

Do not apply to surfaces if moisture content is greater than 25% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application. Allow adequate time for surfaces to thaw. Establish that air, surface, and material temperatures are above 50°F (4.4°C) and at least 5°F above the dew point prior to painting. Do not apply at temperatures below 50°F when temperatures are expected to drop below 50°F within 48 hours of application. Do not apply if rain, snow, or lower temperatures are expected within 48 hours. Do not apply if relative humidity is greater than 90%.

Store materials in a well-protected area at 45° - 90°F. Avoid freezing temperatures, direct sunlight, & moisture. Keep away from heat sources.



## Technical Data

Material Type	Epoxy
Finish	High Gloss Clear
Flash Point	>200F°
V.O.C.	0 g/L V.O.C. Compliant
Weight	Approximately 8.5 lbs./Gal.
Color of Material	Clear to Slightly Cloudy
Odor	Slight Latex Smell
pH Value	Approximately 7.5
Viscosity	9.6 Seconds No. 4 Ford Cup
Surface Dry/Recoat	8 - 12 Hours
Volume Solids	100%

## Warranties

Rainguard Brands, LLC guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Rainguard Brands, LLC makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact Rainguard Brands, LLC.

Surface conditions and application variables are out of the control of Rainguard Brands, LLC. As such, the applicator agrees to: Follow recommended application instructions, acknowledge limitations outlined in this technical data sheet, contact the manufacturer in the event there any uncertainties, perform a test panel to confirm fit and finish before any general application. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Rainguard Brands assumes no obligation or liability for use of this information. Contact manufacturer at 888-765-7070 before bidding to confirm warranty provisions and procedures.

**SELLER'S LIABILITY UNDER THE SALE OF THIS PRODUCT IS LIMITED TO REPLACING DEFECTIVE PRODUCT. HOWEVER, IF SELLERS FAILS IN ITS ATTEMPT TO REPLACE THE DEFECTIVE PRODUCT, BUYER WILL BE ENTITLED TO A REFUND OF MONIES PAID TO SELLER UNDER THIS PRODUCT WARRANTY. SELLER IS NOT LIABLE FOR BUYER'S LOSS OF PROFITS, BUSINESS GOODWILL, OR OTHER CONSEQUENTIAL DAMAGES, DESPITE ANY FAILURE TO REPLACE THE PRODUCT. BUYER HAS ACCEPTED THIS RESTRICTION ON ITS RIGHT TO RECOVER CONSEQUENTIAL DAMAGES AS PART OF ITS BARGAIN WITH SELLER. BUYER REALIZES AND ACKNOWLEDGES THAT THE PRICE OF THE PRODUCT WOULD BE HIGHER IF SELLER WERE REQUIRED TO BE RESPONSIBLE FOR BUYER'S CONSEQUENTIAL DAMAGES."**

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