

Ultra Tred 100% Solids Epoxy Coating - F016 Series

Product Description

100% Solids Epoxy is a low viscosity 100% solids resin system used in a variety of flooring applications including high build coatings, aggregate-filled flooring and decorative epoxy pebble applications. This material cures blush-free and provides an outstanding balance of physical strength, flexibility and chemical resistance. 100% Solids Epoxy has excellent clarity for use over color quartz aggregate and decorative architectural concrete. The pigmented material features high pigment loading for good substrate hide and color consistency when roller applied. 100% Solids Epoxy has considerably lower viscosity than most competitive products providing improved handling at cooler temperatures and exceptional troweling characteristics. The lower viscosity allows for the addition of fine silica fillers for easy application of “slurry” type floors.

Recommended Use

The versatility of 100% Solids Epoxy makes it ideal as a primer, finish coat or aggregate binder in a wide variety of flooring applications. This includes manufacturing facilities, warehouses, correctional facilities, loading docks and other areas requiring high performance flooring. 100% Solids Epoxy is not recommended for food processing areas, commercial kitchens, wineries or other areas that receive constant corrosive exposure.

General Surface Preparation

Concrete must be cured 30 days and be clean, dry, and structurally sound. Surface must be shot blasted, diamond ground or acid etched to achieve an ICRI profile of CSP3 or greater. A properly prepared surface will have the texture of 80-100 grit sandpaper. If the surface is diamond ground, use 20-30 grit diamonds and vacuum the floor twice to remove concrete dust. Excessive dust in the pores of the concrete can compromise adhesion. If acid etched, machine scrubbing is required. Previously coated surfaces must be mechanically cleaned and abraded with 80-100 mesh sandpaper prior to application.

Application

Mixing Instructions

If using regular cure material, pot life is 35 minutes at 77 degrees. Work times are shortened by higher temperatures. Pouring material on floor immediately after mixing will extend work time. Combining ratio is 2 parts A to 1 part B. If using pigmented material, stir Part A well, bringing settled pigments up from bottom of container before adding Part B. Proportion the amounts carefully and mix for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel.

Note: If using as a primer to Properly Profiled Concrete, thin mixed kit with 10% Acetone.

Application Recommendations

100% Solids Epoxy may be applied by roller, trowel or squeegee. When applied as an unfilled system, 100% Solids Epoxy may be thinned with up to 15% Acetone, MEK or Glycol Ether EP. Product must be thinned 10- 15% when using as a reglaze material for epoxy pebble system. If using thinned product, keep application rate above 200 sq. ft. per gallon. The addition of solvent may slow the cure somewhat. If using in aggregate filled flooring, do not add solvent.

Clean up

Clean tools and equipment with acetone or MEK. Do not use water on natural bristle or china bristle brushes

Architectural Specifications

Properly Profiled Concrete

- 1 Coat F01803 Epoxy Primer
- 1 Coat 100% Solids Epoxy Pigmented F016 Series
- 1 Coat 100% Solids Epoxy Clear F01603 (optional)
- Or
- 1 Coat Epoxy Primer F01803
- 1 Coat 100% Solids Epoxy Pigmented F016 Series
- 1 Coat Solvent Borne Polyurethane Clear F01703 (optional)

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Note if adding Fix All Decorative Flakes, 1 Coat of Clear F01603 or F01703 is recommended.
For Additional Specifications, see our FixAll Flooring Solutions Guide

Precautions

Do not breathe vapors. Use appropriate respirator with green band cartridge to protect against methyl amine vapors. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

Limitations

Must be applied to a clean, dry surface.

Exterior pigmented applications will show chalking.

Should be applied with aggregate fillers in flooring applications where impact or mechanical abuse is anticipated.

Environmental Health and Safety Information

Properly mixed A and B Components (residuals in buckets, on brushes, roller covers, etc.) are considered to be inert and disposed of as non-hazardous waste. Acetone can be used to clean up equipment, roller frames, squeegees, etc. Contaminated work clothing should not be re-worn. Unmixed Resins and Hardeners must be disposed of based on local regulations.

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*Based upon calculated values. Depending upon color choice, non zero VOC colorant added to this product may significantly increase VOC levels.

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Lead Warning ! - If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

Some paint products may contain chemicals which are harmful if they come in contact with exposed skin. Protection for exposed skin (gloves, protective creams) should be available, and used per product directions.

Always use any paint product with proper ventilation. Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the applicable exposure limit (OSHA PEL) of the components being used. This information is listed on the appropriate Material Safety Data Sheets. All application areas should be ventilated in accordance with applicable OSHA regulations, contact your local office for specific information.

In an enclosed area and as required, always wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application of any coating unless air monitoring demonstrates that vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use.

All floor coatings are more slippery when the surface becomes wet or contaminated by dirt, oils, food, or beverage residues, or other debris. To help reduce the possibility of slipping on a dry, clean floor, add Slip Resistant Additive F09098 before application. To attain the best possible skid resistance, coated areas must be kept dry, properly cleaned and maintained.

FIRST AID: In case of eye contact, flush immediately with water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, seek medical attention immediately. If swallowed, rinse mouth with water (only if person is conscious). Call for medical assistance immediately. Do not induce vomiting unless directed to do so by medical professional.

WARNING! Use only with adequate ventilation. Do not breathe spray or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

USE COMPLETELY OR DISPOSE OF PROPERLY: Dispose of in accordance with applicable

Technical Data	
Product Type	Industrial
Exposure	Interior
Specular Gloss	90° ± 3
Volume Solids	100% ± 0
Weight Solids	100% ± 0
Vehicle Solids	100% ± 0
Pigment	30% ± 5**
Wet Film Thickness	6-64* mils
Dry Film Thickness	6-64* mils
Viscosity @ 77 °F	698 cps
Max VOC	0 g/l
Flash Point ° F	199°F
Thinner	Acetone/MEK
Clean - up	Acetone/MEK
Surface Spread Rate	
Profiled Surface	100-275 s.f./gal.
** Pigmented	
Drying Times	
To Touch	6 Hours
Light Traffic	16 Hours
Full Cure	7 Days
(@ 70 - 77 °F, 50% R.H.)	
Surface Temperature At Application	
Minimum: Over 50°F	Maximum: Under 90°F
Storage Temperature	
Store Between Over 40°F to Under 90°F	
Tools & Equipments	
Brush	Cheap Bristle
Roller	3/8" Nap Synthetic Fiber
Airless Spray	Not Recommended
Available Package Sizes	
(Weight Per Gallon: 10.17 lbs. ± .5 lb)	
Available Colors and Bases	
Available in 4 stock colors	

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Federal, State and Local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. For recycling guidance of any unused amount, contact your local or provincial organization of recovery, recycling and disposal for regulations.

Place the rags in an empty metal container that has a tight metal lid such as a paint or stain can. Fill the container with water until the rags are submerged; Fill Place the metal lid tightly over the water soaked formerly combustible rags. Place lid tightly on container. Coontact local municipal offices for disposal directions. Never dump solvent down any household or external drains or in any open water.

Notes

*6 mils correspond to approx. 275 sq ft/gal and 64 mils corresponds to 25 sq ft/ gal.
Epoxy can be applied anywhere between 25 and 275 sq ft/gal