



Industrial Epoxy Rapid Set Epoxy

(Only 2 differences – 1 pot life 5 minutes less cure time is ½)

Installation

McKinnon Materials, Inc. materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Paint Chip Decorative Broadcast System. Contact the Technical Service Department for assistance prior to application.

Surface Preparation — General

McKinnon Materials, Inc. systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation.

Surface Preparation — Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have adequate surface profile.

After initial preparation has occurred, inspect the concrete for voids, peaks and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the technical service department.

Acid washing and neutralizing is acceptable if it provides an adequate profile.

Temperature

Throughout the application process, substrate temperature should be 45°F – 95°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen off-gassing. The material should not be applied in direct sunlight, if possible.

Application Information

	Materials	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer	Primer Epoxy	2:1	150-200 sq. ft./gal	3 or 15 gallons kits
	Water-Borne Epoxy	4:1	200-300 sq. ft./gal	5 quart kits
Industrial Clear		3:1	130-150 sq. ft./ gal	1 – 220 gallons
Paint Chip Broadcast		To Excess	5 to 200 sq. ft per lb.	50 lb. box
First coat	Industrial clear	3:1	150 to 200 sq. ft./ gal	1 – 220 gallons
2 nd if needed				
Seal Coat	HPU or HP105	2:1 or 1:3	300-400 sq. ft./ gal	1 or 3 or 15 gallons
2 nd seal coat required	HPU or HP105	2:1 or 1:3	300-400 sq. ft./ gal	1 or 3 or 15 gallons
Super Vinyl Supreme		Single Component	150-200 sq.ft./gal	1 or 5 gallons
Optional sealers [No VOC]		2:5	230-260 sq. ft. / gal	1 gallon
Miracle Glaze H2O				
Crystal coat		Single component	150 – 200 sq. ft. / gal	1 or 5 gallon

Primer

Mixing and Application

1. Add 2 parts E-Z Coat Primer resin to 1 part primer cure by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

(For zero VOC application use McKinnon Materials Water based Epoxy Primer.)

2. E-Z Coat Primer may be applied via spray, roller or brush. Apply 5-8 mils, evenly with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.

3. Wait until primer is tacky before applying the first basecoat. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight. (Or sand after cured.)

Base Coat

Mixing and Application

1. Add 3 parts clear industrial resin to 1 part industrial cure by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.

2. Immediately pour the mixed material onto the substrate and pull out using a 10 Mil squeegee and cross roll with a 3/8" nap roller at a spread rate of 120-150 square feet per gallon. Also can be dipped and rolled with 3/8" nap roller.

3. Allow material to dry until it's tac free before sanding and recoating or top coating.

4. Reason to install 2nd coat:

- i) If you are doing clear you might need a second coat to make it smooth
- ii) If you are doing a colored material you might need a second coat to completely even out the surface color.

Second Coat

Mixing and Application

1. Add 3 parts industrial resin to 1 part industrial cure by volume. Mix with low speed drill and jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

2. Apply clear industrial epoxy using a flat trowel or squeegee and back roll with a 3/8" nap roller. Apply at a spread rate of 130-150 square feet per gallon evenly with no puddles making sure of uniform coverage. Two coats may be required. **Take care not to puddle materials and insure even coverage.**

3. Allow to cure (Cure times vary depending on environmental conditions).

4. This step could be done by your topcoat.

Top Coat

1. Miracle Glaze H20
2. Crystal Coat
3. Super Vinyl Supreme
4. Polyaspartic
5. High Performance Urethane {Mixing and application –
Refer to Product Data Sheets

Material LEED Requirement Certification

- ✓ McKinnon Materials, Inc. certifies that its Paint Chip Flooring System, when using McKinnon Materials Clear Industrial Epoxy or Rapid Set Industrial Epoxy (Base Coat) Paint Chip and McKinnon Materials Miracle Glaze H20 , topcoats will meet or exceed LEED requirements as summarized below.

LEED Credit 4.2

Indoor Environment Quality /Air Quality before occupancy materials meet the requirement for VOC content pertaining to LEED IEQ 402 Indoor emitting materials credit. Refer to the individual Product Component Technical Data Sheets and SDS for further information.

Warranty

McKinnon Materials warrants its products to conform to its manufacturing standards. McKinnon Materials will replace or refund the purchase of non-conforming product at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of non-compliance and no later than two years from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product, product data or warranty.

Important Notice

These products are sold subject only to the express warranties contained herein. There are no other warranties by McKinnon Materials of any nature whatsoever expressed or implied. Including any warranties of merchantability or fitness for a particular purpose in connection with this product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of the product. Information contained herein is based in data believed to be reliable; however it is the buyer's responsibility to satisfy itself of the product for a particular purpose. Material safety data sheets are available from McKinnon Materials and should be consulted prior to use of the product. This product is intended for use by professionals only. Keep away from children and those not trained in the use of potentially hazardous materials.

Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of the McKinnon Materials, Inc. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.mckinnonmaterials.com to obtain the most recent Product Data information and Application instructions.