



CHAMELEON EPOXY

PRODUCT DESCRIPTION

Miracote Chameleon Epoxy Resin is a thin film plural component epoxy resin used to create all the Chameleon effects. MCER is mix as desired with ColorPax-E, special Chameleon Series of Colors, Chameleon Metallic's, Pearl or Color-shifts, in infinite combinations, to create desired artistic surface finishes. The Chameleon Decorative Systems can be applied on to Concrete, Miracote Microtopping DP, Miracote Multipurpose Coating, self leveling, trowel or squeegee grades of underlayment, and the many other Miracote overlay materials or systems.

Chameleon Epoxy Resin adds value, durability, and ease of maintenance. Chameleon Epoxy Resin is designed for use where long-lasting monolithic protection of decorative substrates is required. The completed system, 2 coats at approximately 6-8 mils each can perform as a stand-alone application over concrete, or can be applied in conjunction with Miracote Mirathane APU 100 topcoats when the advantages of a urethane topcoat are desired.

Miracote Chameleon Epoxy Resin can be applied over prepared concrete substrates or approved Miracote Systems. Consult any Crossfield Products Corp. office for specification or technical assistance.

WHERE TO USE

Chameleon Epoxy Resin is designed for Institutional, Commercial and Retail sanitary looking flooring areas. Typical applications include food preparation, laboratories, toilet rooms, food service, clinical sites, pet care, garage floors, etc. to protect the substrate concrete or decorative applications from medium to heavy duty use.

ADVANTAGES

- Produces a rapidly installed, decorative seamless floor coating at a moderate cost.
- Monolithic. Can incorporate an integral cove base. Eliminates unsanitary build-up of bacteria.
- Resistant to many chemicals, including brake fluid, gasoline, many acids solutions and other reagents. See Chemical Resistant Guide for specific details.
- Slip-Resistant – An array of slip-resistant surface textures available.
- Maintenance – Built to take repeated scrubbing.

COVERCAGE RATES

Refer to Chameleon Installation Guidelines.

PACKAGING AND COLORS

7728-2GPA	Chameleon Epoxy (A – 2 gallon pail)
7729-1GCB	Chameleon Epoxy (B – 1 gallon can)
7728-5GPA	Chameleon Epoxy (A – 5 gallon pail)
7729-5GPA	Chameleon Epoxy (B – 5 gallon pail)

MIX RATIO

2 parts A-Comp. : 1 part B-comp., by volume.

SHELF LIFE AND STORAGE

Shelf life will be one year from the date of manufacture as long as containers remain unopened and when material is store in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

Compressive Strength ASTM D695.....	12,900 psi
Surface Hardness ASTM D2240 Durometer (Shore "D").....	85
Indentation Characteristics (Steadily Applied Load) MIL-D-3134, Para. 4.7.4.2.1 0.005" indent (2,000 lbs. on a 1" steel ram imposed 30 minutes. Concrete substrate)	
Indentation Characteristics (Impacted Load) MIL-D-3134, Para. 4.7.3 (2 lb. steel ball 0.011" indent dropped from 8-ft height)	
Adhesion	345 psi ACI Committee 403 (Bulletin Title No. 59-43, pp. 1139-1149 (100% failure in concrete)
Water Absorption MIL-D-3134.....	Less than 1%
Abrasion Resistance ASTM C501 ((H-22 Wheel)	19 Wear Index
Tensile Strength ASTM D638	4,400 psi (Resin Components)
Elongation ASTM D638.....	19.6% (Resin Components)
Slip Resistance	Varies depending upon surface texture selected

OVERVIEW OF INSTALLATION STEPS

(Please refer to the following and contact Miracote with questions)

- Prepare surfaces by careful and thorough removal of laitance, grease, concrete curing agents and foreign matter.
- Mix and apply 6-8 wet mils per coat into two coats.
- (Optional) Apply coats of clear resin by trowel or squeegee to fill and seal aggregate to specified texture.
- Allow time for a full cure.

For Best Results:

Install a minimum 4' by 4' test area site mock up for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.

Verify current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guidelines (IG) at www.miracote.com.

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thicknesses and rate are obtained.

CHAMELEON EPOXY

LIMITATION

- If subsurface cracks due to continued thermal flexing or building settlement, floor may reflect those cracks to some degree.
- Surface on which applied requires careful preparation and must be free of contamination that might cause a failure of bond.
- Limited UV stability – not recommended for exterior applications.

PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

MAINTENANCE

For maximum sheen and cleanability, floor should be routinely treated with conventional maintenance finish followed by ordinary buffing.

SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

SLIP RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding slip resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

CHEMICAL RESISTANCE

See Crossfield Products Corp's. Chemical Resistance Guidelines for chemical resistance of a product or system, as well as the types of test performed:

- ASTM C868 Standard Test Method for Chemical Resistance of Protective Lining.
- ASTM C267 Standard Test Method for Chemical Resistance of Mortars, Grouts, and Monolithic Surfacing and Polymer Concretes.
- ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- Crossfield Products Corp. Proprietary Testing.

Note: Chemical resistance is a functional test, usually limited to changes in weight or thickness measured in loss or gain and does not evaluate subject aesthetic issues. To determine aesthetic issues, Crossfield recommends testing the products or system in accordance with intended end use.

TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

IN NO EVENT SHALL CROSSFIELD PRODUCTS CORP. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON CROSSFIELD'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH SALE OF A CROSSFIELD PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF CROSSFIELD'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION ABUSE OR MISUSE. CROSSFIELD PRODUCTS CORP. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIAL NOT SUPPLIED BY CROSSFIELD PRODUCTS CORP., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM CROSSFIELD PRODUCTS CORP. SOLD ITS PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST CROSSFIELD PRODUCTS CORP. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



MIRACOTE PRODUCT LINE Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.miracote.com