



Product Description Sheet

Wallcote E and Wallcote W

Epoxy Wall Coating Products

1. PRODUCT DESCRIPTION

A. COMPOSITION

Wallcote E and Wallcote W are two component epoxy wall coating products, which are solventless and cures to a seamless hard tile-like finish. They can be applied over gypsum wallboard, cement and gypsum plasters, concrete, concrete block, masonry, wood, metal and other sound surfaces. Consult Crossfield for detailed specifications for preparation of surfaces other than wallboard and plaster.

Among the unique features of Wallcote E and Wallcote W is their freedom from solvent odors normally associated with conventional paint or coating systems. Wallcote E and Wallcote W can be used in areas where food products and beverages are stored without solvent fume contamination.

Wallcote E is approved by the U.S. Department of Agriculture for use in Federally inspected meat processing locations. They are available in a wide range of standard colors (see Dex-O-Tex Color Chart), as well as custom colors. Wallcote E offers excellent resistance to chemical attack, staining, and abrasion.

Wallcote E is available in an Antimicrobial Additive incorporating an anti-microbial biocide which protects against growth of algae, bacteria, fungi, mold, mildew, yeast, etc.

It is often used in conjunction with Dex-O-Tex flooring systems to produce an integrated "cocoon effect" seamless floor and wall system.

If impact resistance and dimensional stability are desired, use Dex-O-Tex Wall-Glas, which is a fiberglass or scrim cloth reinforced epoxy wall coating system.

B. TYPICAL USES

Hospitals, Animal housing, schools, Chemical storage areas, Food processing plants, Kitchens, Beverage bottling areas, and general Industrial and Institutional uses.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Creates a rapidly installed, extremely durable wall coating at a moderate cost.
2. Easy to clean and maintain.
3. Does not embrittle with age. Resists impact chipping and flaking.
4. Can be installed over a wide range of new and existing surfaces.
5. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Discoloration may occur under UV exposure, use Dexotex Quik-Glaze where UV stability is required.
2. Not designed for exterior use.
3. Cracks in subsurface may reflect through the coating of subject to movement.
4. Application temperatures must be above 55°F during installation and maintained for at least 48 hours after application.

5. For below grade, porous or block walls with a moisture vapor emission rates (MVER) in excess of 78% rh when measured in accordance with ASTM F-2420, or an in-sit rh of 78% when measured in accordance with ASTM F2170, delamination, discoloration or improper curing may result without proper treatment prior to installation of the wall coating system. Consult with Crossfield Products Corp. for specific recommendations.
6. Vapor control primers, smoothing compounds, crack repair or isolation, waterproof membranes or other supplementary items may be required for proper installation at an additional cost. Consult with Crossfield Products Corp. for specific recommendations.
7. Concrete block and CMU block require a smooth finish, which can be achieved with an approved block-filler prior to placement of the epoxy system.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

- A. **Compressive Strength** ASTM D695 8,000 psi
- B. **Elongation** ASTM D638.....13%
- C. **Surface Hardness** ASTM D2240 Shore D 70-75
- D. **Adhesion** ASTM D952 Exceeds internal strength of backing systems
- E. **Impact Resistance** ASTM D2794 (Gardner Impact Tester) 44 in/lbs. on metal panel Direct..... No loss of bond
Reverse No loss of bond
- F. **Flexibility** 1/8" Mandrel (180° Bend).....No Cracking
- G. **Cleanability** TT-C-550a*, Para. 3.3.4..... Complies
- H. **Recoat Time**8 hours at 70°F
- I. **Flash Point** (Tag Closed Cup) Exceeds200°F
- J. **Water Absorption** (MIL-D-3134, Para.4.7.8)
70°F..... 0.5%
140°F..... 1.7%
- K. **Thickness**, per coat..... 5 - 9 mils dft
- L. **Chemical Resistance** (see Chemical Resistance Chart)
- M. **Microbial Resistance** ASTM G21 Passes Rating 1

3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare surfaces in accordance with Crossfield Products Corp. instructions.
- B. Apply foundation coat by roller, brush or spray.
- C. Apply final coating by roller or brush, or spray.

4. 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.

5. TEXTURE AND CLEANABILITY

In general, the Dex-O-Tex Wallcoating Systems can be placed with smooth (laminar flow) to textured or stippled

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(turbulent flow) surfacing. The more aggressive the surface, the more turbulent the airflow over surface. The smoother the finished texture the laminar the air flow and the easier the surface is to clean.

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

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

8. 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.

9. 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. INVOICE 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 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 THE 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 MATERIALS 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 PRODUCT OR 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.



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