

### 1. PRODUCT DESCRIPTION

#### A. COMPOSITION

Wall-Glas is a three-component epoxy resin and hardener, and woven synthetic fiber reinforcement wallcoating system, which is designed to produce a seamless, dimensionally stable, hard tile-like glazed coating finish. Wall-Glas 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.

Wall-Glas is impervious and offers excellent resistance to chemical attack, staining and abrasion; and it provides an extremely tough and durable finish coating.

It was designed to be used in clean rooms, bio-rooms and high tech areas to create an environmental envelop to isolate and contain the contents of the use area.

Wall-Glas is an ideal coating and reinforcing system, since it is a non-food source for bacteria and other microorganisms.

Wall-Glas 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.

**Colors and Textures:** Wall-Glas is available in 36 designer colors and is applied with a slight roller texture. Custom colors and textures are available. Contact your Dex-O-Tex representative for samples and further details.

#### B. TYPICAL USES

Clean Rooms, Health Care Facilities, Surgical Rooms, Food Processing, Bottling, Beverages and Spirits, Chemical Storage, Pharmaceutical, Research and Development, Commercial Kitchens, Animal Housing, Locker Rooms, Toilet Rooms, etc.

#### C. ADVANTAGES AND LIMITATIONS

##### ADVANTAGES:

1. Seamless surface provides a continuous membrane.
2. Easily cleaned and decontaminated.
3. Superior Chemical Resistance.
4. Superior dimensional stability because of fiberglass reinforcement.
5. Does not embrittle with age.
6. Resists impact chipping and flaking.
7. Available in a formulation that contains a biocide (Dexcide), which effectively controls growth of algae, bacteria, fungi, mildew, mold and yeast.
8. Wall-Glas bonds well to any smooth, clean dry and sound substrate, including but not limited to, dry wall, green board, gypsum sheet rock, cement plaster, concrete, plywood, HD particleboard and cement backer board.
9. 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. Temperature during application must be 60°F (18°C) or greater.
3. For below grade, porous or block walls with a moisture vapor emission rates (MVER) in excess of 3.0 lbs./1000 sq./ft./per 24 hr. period per ASTM F1869, or an rh in excess of 78% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult with Crossfield Products Corp. for specific recommendations.
4. Vapor control primers, sloping, smoothing or leveling 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.
5. 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. **Tensile Strength** ASTM D638..... 3,500 psi
- C. **Tensile Elongation** ASTM D638..... 8%
- D. **Adhesion** ASTM D952..... Exceeds internal strength of backing
- E. **Hardness** ASTM D2240 Shore D ..... 80-85
- F. **Water Absorption** MIL-D-3134 Para 4.7.8 ..<0.5%
- G. **Chemical Resistance** ASTM D1308  
(See Chemical Resistant Chart)
- H. **Microbial Resistance** ASTM G21.. Passes Rating 1

### 3. OVERVIEW OF INSTALLATION STEPS

- A. Prepare smooth, clean and dry surface.
- B. Apply Wall-Glas Primer.
- C. Apply Wall-Glas bodycoat and embed fiberglass reinforcement.
- D. Sand and detail as specified.
- E. Apply final bodycoat.
- F. Apply finish coat or coats as specified.

### 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.

## System Description Sheet

## Reinforced Epoxy Epoxy Wall Coating with Fabric Reinforced for Dimensional Stability

### 5. TEXTURE AND CLEANABILITY

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

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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