

MICOROX® DECORATIVE FLOORING

MICOROX® DECORATIVE FLOORING is a multi-purpose 100% solids, epoxy and colorquartz system formulated to meet or exceed architectural specifications for seamless decorative flooring for commercial, institutional, and light manufacturing areas. This attractive decorative floor provides an easily maintained, sanitary, durable, slip-resistant surface, that is perfect for locker rooms, food processing areas, lavatories, animal holding areas and hallways. The Decorative Floor System is squeegee, trowelled or roller applied in layers into which colored aggregates are broadcast. A topcoat or sealer coat is then applied to seal the system improving cleanability and providing an attractive gloss finish. **MICOROX® DECORATIVE FLOORING** is U.S.D.A. approved for incidental food contact.

PRODUCT DESCRIPTION

MICOROX® DECORATIVE is a 1/16 inch to 1/4 inch epoxy flooring system which can be roller or slurry applied. Components are:

MICOROX® 103 PRIMER: A two-part deep-penetrating water reducible epoxy primer.

DECORATIVE BASE COAT: A two-component system of epoxy resin and curing agent into which colorquartz is broadcast. Also a slurry system of liquids and colorquartz which can be trowelled.

COLORQUARTZ AGGREGATE: broadcast or incorporated into liquid layer.

COATINGS: MICOROX® 1882 Sealer as Sealer Coat for increased chemical resistant properties.

OPTIONS:

MICORTHANE™ 9-82 at two-part chemically resistant non-yellowing urethane sealer for increased resistance to abrasion and wear.

WATERPROOFING: Where waterproofing membrane is required use MICORTHANE 6-75P ELASTOMERIC PRIMER per application instructions.

MICOROX® DECORATIVE bonds to most existing surfaces. Substrate must be exposed by acid-etch or mechanical means for secure bond. Ideal for restoring old floors and protecting new floors. See installation instructions for further details.

PHYSICAL/CHEMICAL CHARACTERISTICS

Compressive Strength 12,400 psi after 7 days (ASTM C-579)

Tensile Strength 2,200 psi (ASTM C-307)

Flexural Strength 4,800 psi (ASTM-C-580)

Flexural Modulus of Elasticity 9.7 x 10⁵ psi (ASTM D-790)

Hardness 85-90 (ASTM D-2240/Shore D Durometer)

Bond Strength >400 psi (100% concrete failure) (ACE COMMITTEE #503/PP1139-1141)

Indentation No indentation (MIL-D-3134F)

Abrasion Resistance 0.1 g max. weight loss (ASTM D-4060, Taber Abrader) CS-17 wheel, 1,000 gm load, 1,000 cycles)

Flammability Self extinguishing.: Extent of (ASTM D-635) burning 0.25 inches max.

Thermal Coefficient of Linear Expansion (ASTM E-831) 3.5 x 10⁻⁵ C

Water Absorption 0.1% (ASTM C-413)

Heat Resistance Limitation:

For continuous exposure 140° F/60° C

For intermittent spills 200° F/93° C

Cure Rate allow 6 hours for foot traffic (at 77°/25°C) 18 hours for light traffic

24 hours for normal operations

Colors Available in single colors and custom color blends of all colorquartz combinations.

PACKAGING:

MICOROX® DECORATIVE liquids are available in 3, 15, and 150 gallon units.

Mix Ratio of liquids is 2 parts Resin to 1 part Hardener, by volume.

COLORQUARTZ AGGREGATE is available in 50 pound bags of solid colors as indicated in our color guide or in custom blended variations and combinations to meet your specifications.

COVERAGE:(1/8"thickness,double broadcast.)

Primer: MICOROX® 103 Primer: 300 square feet per gallon per coat.

Base: MICOROX® Decorative Liquids: 50 square feet per gallon, minimum.

Sealer: MICOROX® Decorative Liquids or 1882 Clear Sealer: 70 square feet per gallon.

Aggregates: Colorquartz 1.0.pounds per square feet minimum.

PREPARATION:

Prepare surface in accordance with Floorlife installation instructions. Slabs on or below grade should be over an effective moisture barrier. Clean and prepare the concrete by mechanical means and/or acid-etch until all foreign matter has been removed. A rough surface is desired to provide a good bonding profile.

APPLICATION:

Decorative can be applied in two ways. The first is broadcast application. The second is trowel application. Primed floor temperature should be at least 60° F. See detailed instructions in **MICOROX® DECORATIVE FLOORING** Installation Guide.

TEMPERATURE LIMITATIONS:

During the installation and cure, surface temperatures of 60° F - 80° F are recommended.

HARDENING AND CURE:

MICOROX® DECORATIVE hardens for foot traffic in 6 hours at 77° F. Allow 18 hours for light traffic and 24 hours for normal operations depending on temperature and humidity.

PRECAUTIONS:

Read container labels and Material Safety Data Sheets before using all products. Contact with liquids Part A and B can cause irritation. Wear protective clothing. Cover hands with protective cream and/or gloves. Wear chemical splash goggles. Use only with adequate ventilation.

COMPLEMENTARY DATA:

See the **MICOROX® DECORATIVE** Installation Guide for more detailed and complete application instructions.

For specific chemical resistance data refer to **DECORATIVE** Chemical Resistance Guide.

Our full service lab and technical engineers are available to assist you. For complete information on all **MICOROX®** Flooring Systems contact your local **MICOROX®** Dealer or our factory. at 800-284- 4308.

LIMITED WARRANTY: Micor Company Inc. warrants to the original purchaser of its products that they are in conformance to the formulation standards of Micor Company, Inc. and that such products are free from manufacturing defects. Original purchaser's only remedy is replacement of the product. Micor does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Micor be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Micor's part. Micor neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Micor products. This warranty shall not apply to any of Micor's products which have been subject to alteration, abuse or misuse. Micor makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Micor Co. which are used in connection with its products. The term "original purchaser" in this warranty applies to that person, company or corporation to which Micor Company Inc. sold its product or products. The original purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: Always keep out of the reach of children.