

**MICOROX® DECORATIVE FLAKE FLOORING**

**MICOROX® DECORATIVE FLAKE FLOORING** is a multi-purpose 100% solids, epoxy and vinyl flake 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 Flake Floor System is squeegee or roller applied in layers into which colored flakes are broadcast. A topcoat or sealer coat is then applied to seal the system improving cleanability and providing an attractive gloss finish. **MICOROX® DECORATIVE FLAKE FLOORING** is U.S.D.A. approved for incidental food contact.

**PRODUCT DESCRIPTION**

**MICOROX® DECORATIVE** is a 1/16 inch to 1/8 inch epoxy flooring system which can be roller or squeegee applied. Components are:

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

**DECORATIVE BASE COAT:** A two-component pigmented or clear system of epoxy resin and curing agent into which vinyl flakes are broadcast.

**DECORATIVE FLAKE AGGREGATE:** broadcast into liquid layer.

**COATINGS:** MICOROX® 1882 Sealer as Sealer Coat. For increased chemical resistant properties, Micorox® 9-82 2 part aliphatic Urethane sealer.

**OPTIONS:**

**MICORTHANE™ 9-82** a 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** . . . . . 10,100 psi after 7 days (ASTM D-695-77)

**Tensile Strength** . . . . . 7,100 psi (ASTM D638-77a)

**Flexural Strength** . . . . . 12,500 psi (ASTM D-790-71)

**Flexural Modulus of Elasticity** . . . . . 3.7 x 10<sup>5</sup> 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<sup>-5</sup> 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 standard and custom base colors and numerous vinyl flake colors.

## **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.

**DECORATIVE FLAKE AGGREGATE** is available in 55 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.

**Decorative Flake Aggregates:** Varies with the desired effect.

## **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.