

MICA-FLEX M DECORATIVE FLOOR SYSTEM

DESCRIPTION

MICA-FLEX M is 100% reactive fast curing high strength methyl methacrylate (MMA) based acrylic decorative flooring system. It is a nominal 1/16" (1.6 mm) overlay system composed of primer, a single broadcast of micro- or macro-sized natural mica flakes and topcoats. Surface finish can be smooth or slip resistant. MICA-FLEX M utilizes unique MICA-FLAKE metallic flakes.

BENEFITS

- Unique natural metallic luster
- VOC compliant, < 100 g/L
- Fast cure, full strength in less than one hour
- NSF Registered
- Indoor and outdoor applications
- UV resistant
- Resistant to chemical attack
- Seamless, no cold joints, always bonds to itself
- Meets USDA/FDA and CIFA requirements
- Use over a wide temperature range, even below freezing

LIMITATIONS

MICA-FLEX decorative chips are random in size due to the manufacturing process.

TYPICAL USES

MICA-FLEX M can be used to enhance the appearance of any floor.

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|---------------|-----------------|
| - Commercial | - Restaurants |
| - Night clubs | - Casinos |
| - Spas | - Hotels |
| - Offices | - Retail stores |

COLORS

MICA-FLEX M is available in six natural colors in two standard sizes: Macro (1/4") and Micro (1/12"). Each size is also available in three standard blends. Other blends can be created with any combination of the standard colors to create a unique range of glistening effects.

PACKAGING & STORAGE CONDITIONS

Resins used for the MICA-FLEX M system are available in 5-gallon (19 liter) pails and 50-gallon (190 liter) drums. CRYL-A-CURE is available in 1-gallon (3.8 liter) cans, 5-gallon (19 liter) pails and 55 lb (25 kg) boxes. MICA-FLAKE decorative chips are packaged in 10 and 25 lb. boxes. Armor-Top urethane topcoat is supplied as a kit.

Store in a cool and dry place below 85° F (30° C), out of direct sunlight. Do not store near open flame or food. The shelf life is 6 months from ship date in the original unopened containers.

APPLICATION

The system is comprised of a primer coat of CRYL-A-PRIME P-101 followed by a broadcast of micro or macro chips into CRYL-A-GLAZE G-201. The system is finished with two topcoats of CRYL-A-TOP T-301.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. and can be downloaded from the Architect Center at www.dur-a-flex.com.

JOINT GUIDELINES

Refer to the Joint Guidelines at www.dur-a-flex.com.

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for MMA floor systems are 5 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 85% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

CHEMICAL RESISTANCE

This product is resistant to most common chemicals. See the Chemical Resistance Chart at www.dur-a-flex.com for details.

CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guidelines on our website.

CAUTION

Adequate cross ventilation should be provided. Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

If substrate and/or material temperature is above 90 F (32 C), Do Not Apply Material.

Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available

CURE

MICA-FLEX M components will cure typically in 45-60 minutes. The floor is fully functional one hour after completed application.

PHYSICAL CHARACTERISTICS

Percent Reactive	100%
VOC	<100 g/L
Pot Life @ 68 F (20 C)	10-20 minutes
Cure Rate @ 68 F (20 C)	30-60 minutes
Recoat Time	60 minutes
Tensile Strength	2,175 psi (15 N/mm ²)
Compressive Strength (Filled System)	6,000-8,000 psi (41-56 N/mm ²)