

MICA-FLEX E DECORATIVE EPOXY FLOORING

DESCRIPTION

MICA-FLEX E is a decorative floor system comprised of coats of 100% solids epoxy, natural mica flakes and a durable, UV resistant urethane topcoat. MICA-FLEX E utilizes unique MICA-FLAKE metallic flakes derived from a group of sheet silicate minerals.

BENEFITS

- Unique natural metallic luster
- Color-fast, UV stable
- Chemical and abrasion resistant
- Available in 6 natural colors
- Standard blends available

LIMITATIONS

MICA-FLEX DECORATIVE CHIPS are random in size due to the manufacturing process. This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry. Not recommended for outdoor use.

TYPICAL USES

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

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

COLORS

MICA-FLEX E 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

All epoxy components are available in 1 gal., 5 gal., and 50 gal. containers. MICA-FLAKE decorative chips are packaged in 10 and 25 lb. boxes. Armor-Top urethane topcoat is supplied as a kit.

APPLICATION

MICA-FLEX E flooring system consists of an epoxy primer, epoxy broadcast coat, one or more epoxy grout coats (depending on texture requirements) and a urethane topcoat. See the MICA-FLEX E Application Instructions for more details.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

MOISTURE CONCERNS

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.

MICA-FLEX E

TECHNICAL INFORMATION

Salt Spray Resistance, 25% solution at 90°F	No effect after 100 hours	
Toxicity	Non-toxic, meets USDA requirements	
Physical Property	Test Method	Result
Hardness, Shore D	ASTM D-2240	75-80
Water Absorption	ASTM D-570	0.04%
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA-101	ASTM E-84	Class A
Tensile Strength	ASTM D-638	3,700 psi
Flexural Strength	ASTM D-790	4,700 psi
Compressive Strength	ASTM D-695	16,000 psi
Izod Impact (ft. Lb./in. notch)	ASTM D-256	0.50
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Elevated Temperature	MIL D-3134	No slip or flow
Static Coefficient of Friction	ASTM D-2047	>0.6
Abrasion Resistance, CS-17 Wheel, Wgt. Loss, 1000 gm. Load, 1000 cycles	ASTM D-4060	10 mg loss
VOC Content		0 g/L

IMPORTANT!

Before using DUR-A-FLEX products, read and understand its accompanying Safety Data Sheet & Application Instructions for important safety information.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT DUR-A-FLEX.COM FOR THE LATEST VERSION