



PRODUCT DATA SHEET

EPIC Flooring Systems, Inc.

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ArtGlass Mosaic hand crafted flooring systems

Description

ArtGlass Mosaic flooring systems integrate a plethora of unique, fine glass, semi-precious gem, marble, and granite aggregates into a highly decorative, monolithic surface. These polymeric compositions are specially formulated with high quality, clear, or pigmented, 100% solids epoxy, combined with distinct blends of natural quartz and recycled fillers. **ArtGlass Mosaic** flooring systems offer an ornamental yet highly durable polymer matrix resistant to heavy use settings, and withstanding many chemical exposures. These specialty flooring systems are available in a gloss or satin finish, with smooth or controlled non-slip textures.

Benefits

- Seamless Flooring System
- Low Odor
- Excellent Abrasion Resistance
- Superior Adhesion
- Excellent Clarity
- Highly Durable
- Superior Chemical Resistance
- Easy Maintenance

Colors

ArtGlass Mosaic flooring systems are available in a number of standard blends. Please refer to color chart for sample mosaics. Custom color blends are available for aggregates, pigments, and dyes to produce truly unique seamless epoxy composites with endless design possibilities.

Typical Uses

ArtGlass Mosaic flooring systems are hand crafted for discerning applications in varying types of settings. These systems are intended to offer high decorative appeal along with superior functional value. They can be applied on most sound substrates including concrete, quarry tile, brick pavers, steel decks, plywood floors, etc.

Surface Preparation

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. Substrate must be primed. Please refer to the master "Surface Preparation Guide" for more information.

Application Method & Finished Thickness

ArtGlass Mosaic flooring systems are mainly trowel and broadcasted systems with finished mil thicknesses no less than a nominal 1/4". They are engineered in multiple layers using a highly resin enriched composite with environmentally "green" fillers to provide extremely long-term durability. An ultra clear resin must be used for topcoats over **ArtGlass Mosaic** flooring systems to retain color clarity and luster of the floor. A clear, aliphatic urethane is a required finish coat to prevent ultraviolet ambering in the flooring system.

Limitations

These systems are best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound and dry.

Chemical Resistance

ArtGlass Mosaic flooring systems are resistant to many common chemicals. Please refer to the master "Chemical Resistant Chart" for actual resistance to specific chemical/reagents. Urethane finish coat will determine ultimate chemical resistance.

Moisture Concerns

Moisture vapor transmission in the slab should be measured prior to application of these polymeric systems to ensure a long lasting, durable installation. Please refer to the master "Moisture Guidelines" for more information.

Cleaning

This system is designed to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master "Cleaning Guide".

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Color	Available in a variety of color blends
Cure Time, Foot Traffic at 70°F	12-16 hours
Toxicity	Non-toxic, meets USDA & FDA standards

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	75-80
Compressive Strength	ASTM D-695 ASTM C-579	17,500 psi 12,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	4,000 psi 2,600 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	6,250 psi 4,500 psi
Flexural Modulus of Elasticity	ASTM D-790	6.2×10^5
Linear Expansion	ASTM D-696	2×10^{-5}
Bond Strength to Concre	ASTM D-4541	400 psi. substrate fails
Indentation	ML D-3134	.025 max
Impact Resistance	ML D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F-200°F
Flammability	ASTM D-635	Self extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class B
Abrasion Resistance CSI7 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	5mg-20mg loss depending upon performance topcoat
Coefficient of Friction Standard Slip-Resistant Smooth	ASTM D-2047	0.9 0.7