



PRODUCT DATA SHEET

EPIC Flooring Systems, Inc.

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PerformanceArt artist designed flooring systems

Description

PerformanceArt flooring systems combine a unique fusion of specially formulated, high quality 100% solids epoxy, with distinctive iridescent pigments & transparent dyes to create extremely decorative yet highly durable polymer composites resistant to moderate to heavy use, and withstanding many chemical exposures. These monolithic flooring systems are often crafted with hand blown glass objects, recycled glass & semi-precious gem aggregates, as well as custom metal inlays. **PerformanceArt** flooring systems are available in a gloss or satin finish, with smooth or controlled non-slip textures.

Benefits

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

Colors

PerformanceArt flooring systems are color customized to meet varying project specifications. The interaction between transparency, refraction, clear epoxy resin and multiple reflection creates unusual color effects rarely found in today's flooring marketplace. Custom color blends are available for aggregates, pigments, and dyes to produce truly unique seamless epoxy composites with endless design possibilities.

Typical Uses

PerformanceArt 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

PerformanceArt flooring systems can be applied with varying finished mil thicknesses from 30-mils to 1/4". They are typically engineered in multiple layers to provide excellent long-term durability and superior color retention. An ultra clear resin must be used for topcoats over **PerformanceArt** 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

PerformanceArt 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".

PerformanceArt
custom designed flooring systems

Color	Custom colors & 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	16,000 psi 10,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	3,000 psi 1,950 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	4,000 psi 2,900 psi
Flexural Modulus of Elasticity	ASTM D-790	5.5×10^5
Linear Shrinkage	ASTM D-2566	0.02%
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-570	Self extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class B
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM C-501	5mg-20mg loss depending upon performance topcoat
Coefficient of Friction Orange Peel Smooth	ASTM D-2047	0.8 0.7