Rubix Metallic Epoxy

Product Overview

E4E Rubix Epoxy is a high-performance, two-component resin system formulated for metallic systems only. It delivers excellent self-leveling, gloss, durability, and flow while maintaining a smooth finish.

Performance Highlights

- Exceptional clarity and flow
- Optimized for metallic pigment systems
- Comet-free applications with same-day mixing pigments
- High gloss retention
- Strong mechanical hardness with flexible toughness
- Compatible with E4E pigments and specialty Rubix color systems
- Veins & cells create Naturally

Application Notes

- Mix Ratio: 2:1 by volume (Part A : Part B)
- Coverage rate- 40-50 sq ft. Gal.
- Work Time: 60 minutes +
- Pot Life: 50–70 minutes (temperature-dependent)
- Cure Time: Light traffic after 14–24 hours; full cure in 7 days
- Re-coat Window: 24 hours maximum or must sand before topcoat
- Recommended Application Temperature: 70–80°F
- Shelf Life: 12 months (unopened containers stored at 70°F)

Safety and Handling

- Refer to Safety Data Sheet (SDS) before use
- Wear protective gloves and eye-wear; ensure adequate ventilation
- Avoid skin and eye contact
- For professional use only

Installation Instructions

1. **Surface Preparation**: Ensure the concrete surface is clean, dry, and free of contaminants such as oil, dust, and sealers. Shot-blast or diamond-grind to achieve an open surface profile (CSP 2–3).
2. **Priming**: Apply a single E4E Vapor Barrier base-coat or a double system using E4E Primer followed by E4E-100S base-coat. Allow the coating to cure to tack-free before applying the Rubix metallic coat.
3. **Mixing**: Combine Part A and Part B at a 2:1 ratio by volume. Mix for 2–3 minutes using a low-speed paddle mixer, scraping sides and bottom to ensure uniformity.
4. **Pigmentation**: Add pigments into Part A first and blend until fully dispersed. Optionally, the pigment may be added immediately after mixing Part A + Part B together. If added post-mix, continue mixing for an additional 2 minutes to ensure complete dispersion.
5. **Application**: Pour material onto the floor in a puddle or ribbon design. Distribute evenly with a squeegee or roller until all of the base-coat is covered. Refrain from over-blending colors, and try to keep some colors like whites in small spots by themselves for maximum brightness. (Best applicator is a 9" roller cover with the plastic still on it.) Rubix is designed to separate some colors back out naturally, even when over-blended on the floor — let it flow and watch the magic.
6. **Optional Design Effects**: Use leaf blowers, rollers, or mixing techniques to create desired metallic patterns. Refrain from using solvents for flow or design unless you have tested for the wanted look. Rubix is not designed for excessive solvent use, and it will take away some of its key design aspects such as its 3D pigment float look.
7. **Curing**: Allow to cure undisturbed for a minimum of 14–24 hours before light traffic and 36–48 hours for heavier foot traffic.
8. **Re-Coat/Topcoat**: Apply subsequent layers within 24 hours or mechanically abrade the surface if beyond that window.

Technical Properties		
Shore D Hardness	ASTM D-2440	85-90
Tensile Strength	ASTM D-638	550 psi
Flammability	ASTM D-635	<0.5%
Abrasion	ASTM D-4060	36 mg
Compressive Strength	ASTM D-695	68000
Elongation	ASTM D-412	6.7%
60 degree gloss	ASTM D-523	>95
Solids Content		100%
VOC Content		0
Mixed Viscosity		600 cps