

REZSTONE

Epoxy Floor Systems

SPECIFICATIONS

9510 COLOR QUARTZ EPOXY FLOOR TOPPING

Description:

Rez-Stone 9510 is a decorative, hi-solids epoxy-based mortar floor system applied at a nominal 1/8" to 1/4" thickness. Rez-Stone 9510 decorative floor topping system is equally suited for new construction or renovation of existing concrete surfaces. Rez-Stone 9510 utilizes a special blend of coarse color quartz aggregate and hi-solids epoxy resins. When applied at a nominal 1/8" to 1/4" it is more impact, chemical, and wear-resistant than a conventional decorative floor system.

Advantages:

- ✓ Economical
- ✓ Decorative
- ✓ Excellent chemical, impact, and abrasion-resistance
- ✓ Non-Slip finishes available
- ✓ Seamless cove base available
- ✓ Solvent free
- ✓ No VOC's

Limitations:

- ✓ Substrate minimum temperature 50°F
- ✓ New concrete must be at least 28 days old
- ✓ Do not apply to wet substrate

Coverage at Nominal 1/4" Thickness:

Prime Coat	220 Square Feet per Gallon	Rez-Stone 5017
Matrix Binder	25 Square Feet per Gallon	Rez-Stone 5017
Matrix Aggregate	2 Pound per Square Foot	Coarse Color Quartz
Grout	85 Square Feet per Gallon	Rez-Stone 5017
Glaze	85 Square Feet per Gallon	Rez-Stone 5058
*Optional Topcoat	275 Square Feet per Gallon	Rez-Stone 6300

Surface Preparation:

Concrete surfaces must be clean and sound. Remove all dirt, laitance, grease, curing compounds, and other bond-inhibiting contaminants by shot blasting, scarification, or other approved mechanical methods.

Application:

Surface will be primed using Rez-Stone 5017 primer-binder with a heavy-duty medium nap roller. Lightly broadcast, 1 pound per 5 square feet of blended aggregate into the wet primer to help trowel ability. (Note: Matrix may be placed immediately, but is easiest to apply after primer has set). Load proportioned color quartz aggregate into paddle or screw type mixer followed by pre-blended Rez-Stone 5017 binder. Mix for 30 seconds. Place mixed material onto floor using a screed box, trowel, or straight edge. Power-trowel the placed material using Rez-Stone plastic non-marking blades for a compact finish. Allow matrix to cure for 8 to 10 hours or until tack-free. Once matrix has cured it may be lightly scraped with an ice spud or similar scraping tool and broom swept before grouting. After cleaning, apply a tight grout coat using Rez-Stone 5017 and steel trowel. After curing of the grout coat (8 to 10 hours) apply glaze coat using Rez-Stone 5058 and a notched squeegee at the rate of 85 to 90 square feet per gallon. It may be necessary to back-roll the glaze during application. For added abrasion-resistance and gloss-retention, apply one coat of Rez-Stone 6300.

Safety Precautions:

Prolonged or repeated exposure to epoxy materials may cause eye or skin irritation. If contact occurs, wash affected area with soap and water immediately. If discomfort continues seek medical attention. Always wear suitable protective clothing and use proper safety devices. See respective MSDS for complete details.

Clean-Up:

All tools and equipment should be cleaned before material gels. Use Rez-Stone 1201 epoxy reducer.

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9510 TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED SYSTEM

Tensile Strength ASTM D-638	6,000 psi
Tensile Elongation %	6-8
Compressive Strength ASTM C-579	12,000 psi
Bond Strength ACI Committee 403/59-43	350 psi (100% concrete failure)
Flammability ASTM D-635-63	Self-extinguishing
Water Absorption % ASTM D-570-63	0.10
Color	Available in all standard colors
Working Time	30-35 minutes @ 70°F
<u>Cure Times:</u>	
Initial Set for Light Traffic	16 Hours @ 70°F
Ultimate Cure	7 Days @ 70°F

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