

REZSTONE

2011 Seaman St., Toledo, Ohio 43605 SPECIFICATIONS

9594
3/16"
Broadcast/Trowel
Color Quartz

9594 3/16" Broadcast Over Trowel-Applied Epoxy Floor Topping System

Description: Rez-Stone 9594 is a nominal 3/16" seamless decorative epoxy floor system utilizing 100% solids epoxy in a trowel-applied base coat and a multi-color quartz broadcast for a functional slip-resistant finish. Rez-Stone 9594 is ideally suited for new or renovation construction over sound concrete, wood and quarry tile where added thickness and impact resistance are needed. Textured finished can be adjusted in commercial or industrial applications.

Advantages:

- Excellent chemical, impact and abrasion resistance
- Seamless cove base available
- Meets USDA requirements
- Varying degrees of slip resistance
- Satin or gloss finish

Limitations:

- Substrate minimum temperature 55°F.
- New concrete must be at least 28 days old.
- Do not apply over wet substrate.

Coverage at Nominal 3/16" Thickness:

Prime Coat	200 Square Feet per Gallon	Rez-Stone 5017
Matrix Binder	50 Square Feet per Gallon	Rez-Stone 5017
Matrix Aggregate	1 Pounds per Square Foot	Blended Aggregate
Broadcast Binder	50 Square Feet per Gallon	Rez-Stone 5017
Broadcast Aggregate	.6 Pounds per Square Foot	Blended Color Quartz
Seal Coat	85 Square Feet per Gallon	Rez-Stone 5058

INSTALLATION

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

Application: After proper surface preparation, Rez-Stone primer and overlayment material is mixed just prior to use. Screed into place using screed box, or straight edge and trowel finish. Once matrix has cured, scrape or sand to remove trowel imperfections and vacuum clean. Apply broadcast binder using a notched squeegee or trowel and medium napped roller. Broadcast color quartz into freshly rolled base coat to excess and allow to cure. Remove excess quartz and apply seal coat using a flat trowel for a light texture finish or a flat squeegee for a more aggressive finish. After curing of the seal coat a topcoat or Rez-Stone 6300 may be roller-applied for added gloss retention and chemical resistance.

TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED SYSTEM

Working Time	30-35 minutes @ 70°F
Cure Times: Initial Set-For-Life Traffic	16 hours @ 70°F
Ultimate Cure	7 days @ 70°F
Compressive Strength ASTM C-579	10,000 psi
Tensile Strength ASTM C-307	1,890 psi
Flexural Strength ASTM C-580	4,400 psi
Shore "D" Hardness ASTM D-2240	85
Water Absorption ASTM C-413	0.2%
Percent Elongation ASTM D-638	0.2
Abrasion Resistance ASTM D-4060	0.1 gram
Moisture Vapor Permability ASTM E96-80	0.06 perms
Thermal Shock Resistance ASTM C-884	Passes
Flammability ASTM D-635	Self-extinguishing
Static Coefficient of Friction ASTM C-1028	0.5 to 0.9 will vary with selected finish
Thermal Coefficient of Linear Expansion ASTM D-696	2.5×10^{-5} in/in/deg F
Impact Resistance MIL-D-3134F	No Indention
Bond Strength ACI Committee 403/59-43	350 psi (100% concrete failure)
Electrical Resistivity, NFPA Bulletin #56A	Non-conductive
Color	Available in all standard colors

Safety Precautions:

Prolonged or repeated exposure to epoxy materials may cause eye or skin irritations. 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 1201 Epoxy Reducer or Xylene.

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