

REZSTONE

Epoxy Floor Systems

SPECIFICATIONS

9490-C 1/16" CONDUCTIVE EPOXY BROADCAST FLOOR SYSTEM

Description:

Rez-Stone 9490-C is a silica aggregate filled epoxy floor system that provides hi-build protection, up to 1/16" D.F.T., over existing concrete substrates. Rez-Stone 9490-C is designed for medium-to-high industrial traffic areas where varying degrees of non-slip are required. Rez-Stone 9490-C incorporates multiple conductive base coats with a silica aggregate and a conductive topcoat. Use Rez-Stone 9490-C where chemical, wear, impact-resistance, and conductive properties throughout are needed.

Advantages:

- ✓ Economical hi-build aggregate-filled protection
- ✓ Excellent conductive and static dissipating properties
- ✓ Varying degrees of non-slip
- ✓ High abrasion, impact and chemical-resistance
- ✓ Variable thickness up to 1/16"
- ✓ Solvent free
- ✓ No VOC's

Limitations:

- ✓ Substrate minimum temperature 50°F
- ✓ New concrete must be at least 28 days old
- ✓ Substrate must be clean and sound
- ✓ Do not apply to wet substrate or substrates exhibiting moisture vapor transmission

Coverages at Nominal 1/16" Thickness:

Conductive Prime Coat	175-200 Square Feet per Gallon	Rez-Stone 5017-C
Conductive Binder Coat	90 Square Feet per Gallon	Rez-Stone 5017-C
Silica Aggregate	1 Pound per Square Foot	#25 Mesh Dry Silica
Conductive Topcoat	90 Square Feet per Gallon	Rez-Stone 5078-C

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:

After proper surface preparation, apply a prime coat using Rez-Stone 5017-C with a flat rubber squeegee or roller. After primer has cured, fill all cracks and holes using Rez-Stone 2610-C conductive epoxy crack repair. After patching, apply a conductive binder coat of Rez-Stone 5017-C, mixed 1 to 1 by volume with dry #25 silica aggregate, using a gauged rake or 3/16" notched rubber squeegee. If necessary, back-roll to help leveling. Before curing, lay grounding straps into wet material near all grounding points. After curing of binder coat, connect all grounding straps to grounding points before topcoating. Topcoat with Rez-Stone 5078-C using a notched rubber squeegee at the rate of 90 square feet per gallon.

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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9490-C TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED BINDER

Tensile Strength ASTM D-638	5,400 psi
Compressive Strength ASTM C-579	10,000 psi
Tensile Elongation	6-8%
Bond Strength ACI Committee 403/59-43	350 psi (100% concrete failure)
Flammability ASTM D-635-63	Self-extinguishing
Electrical Resistance ASTM F-150-89 Electrode to Electrode	0.5 – 25 Megaohms
Electrical Resistance ASTM F-150-89 Floor to Ground	Greater than 0.5 Megaohms
Water Absorption % ASTM D-570-63	0.10
Body Coat Color	Black only
Topcoat Colors	Available in all standard colors
Pot Life	20-25 Minutes @ 70°F
<u>Cure Times:</u>	
Tack-Free Set for Recoat	6 Hours @ 70°F
Initial Set for Light Traffic	16 Hours @ 70°F
Ultimate Cure	7 Days @ 70°F

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