

# REZSTONE

2011 Seaman St., Toledo, Ohio 43605 **SPECIFICATIONS**

**9490-C  
Conductive  
Epoxy  
Floor System**

## 9490-C 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-resistant.
- Variable thickness

**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.

### Coverage 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

## 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, apply a prime coat using Rez-Stone 5017-C and a flat rubber squeegee or roller. After primer has cured, fill all cracks and holes using Rez-Stone 2610-C Conductive Crack Repair. After patching, apply conductive body 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. Backroll to help leveling, if necessary. Before curing lay grounding straps into wet material near all grounding points. After curing of body 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.

## TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED SYSTEM

Pot Life.....	20-25 Minutes @ 70°F
Cure Times: Tack-free set for re-coat.....	6 Hours @ 70°F
Initial set for light traffic.....	16 Hours @ 70°F
Ultimate cure.....	7 days @ 70°F
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

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**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.

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**Clean-Up:** All tools and equipment should be cleaned before material gels. Use 1201 Epoxy Reducer or Xylene.

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