

REZSTONE

Epoxy Floor Systems

SPECIFICATIONS

9452 NOVOLAC BROADCAST FLOOR SYSTEM

Description:

Rez-Stone 9452 is a silica aggregate filled epoxy novolac floor system that provides hi-build protection, up to 1/8" D.F.T., over existing concrete substrates. Rez-Stone 9452 is designed for medium-to-high industrial traffic areas where a high degree of chemical-resistance is required. Rez-Stone 9452 incorporates multiple epoxy novolac base coats with a broadcasted silica aggregate. Use Rez-Stone 9452 where extreme chemical, wear, impact resistance and non-slip are required.

Advantages:

- ✓ Excellent chemical-resistance
- ✓ Easy application – no trowel marks
- ✓ Varying degrees of non-slip
- ✓ High abrasion, and impact-resistance
- ✓ Variable thickness up to 1/8"
- ✓ Solvent free
- ✓ No VOC's

Limitations:

- ✓ Substrate minimum temperature 55°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 1/8" Thickness:

Prime Coat	175-225 Square Feet per Gallon	Rez-Stone 5559
Binder Coat	90 Square Feet per Gallon	Rez-Stone 5559
Broadcast Aggregate	1 Pound per Square Foot	#25 Mesh Dry Silica
Binder Coat	90 Square Feet per Gallon	Rez-Stone 5559
Broadcast Aggregate	1 Pound per Square Foot	#25 Mesh Dry Silica
Topcoat	90 Square Feet per Gallon	Rez-Stone 5559

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 5559 with a flat rubber squeegee or roller. After primer has cured, fill all cracks and holes using Rez-Stone 2610 epoxy crack repair. After patching, apply a binder coat of Rez-Stone 5559 using a 3/16" notched rubber squeegee. If necessary, back-roll to help leveling. Slowly broadcast a dry #25 silica mesh aggregate so that the sand falls vertically into the binder. Continue to broadcast lightly, making several passes and allowing binder to bleed through the sand before making next pass. Cover completely with sand (to excess) before binder becomes tack-free. After curing of broadcast binder, remove excess sand. Repeat the above process. For a more or less aggressive finish, topcoat with Rez-Stone 5558, using a steel trowel, flat rubber squeegee, or a roller.

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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9452 TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED BINDER

Tensile Strength ASTM D-638	4,975 psi
Compressive Strength ASTM C-579	15,360 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 Conductivity	Non-conductive
Water Absorption % ASTM D-570-63	0.10
Color	Available in all standard colors
Pot Life	15-20 Minutes @ 70°F
<u>Cure Times:</u>	
Tack-Free Set for Recoat	5 Hours @ 70°F
Initial Set for Light Traffic	12 Hours @ 70°F
Ultimate Cure	7 Days @ 70°F

TYPICAL PROPERTIES OF CURED SYSTEM

Tensile Strength ASTM D-638	2,250 psi
Compressive Strength ASTM C-579	13,705 psi
Flexural Strength ASTM D-790	5,330 psi

CHEMICAL RESISTANCE

Rez-Stone 9452 has excellent resistance to most acids, alkali, solvents, fuels, grease, salts, and strong detergents. The following information is a guide for determining suitable applications of Rez-Stone 9452. The following information is based on tests conducted on totally cured samples immersed for a period of 48 hours. Rez-Stone 9452 is not recommended for constant immersion or long-term containment of any chemicals but is recommended for splash spills and short-term containment as indicated below.

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