

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5042 100% SOLIDS SEMI-RIGID EPOXY

Description:

Rez-Stone 5042 is a non-shrinking, 100% solids, semi-rigid epoxy. It is for use in control joints that are subject to heavy industrial use in factories and warehouse areas. Rez-Stone 5042 accommodates minimal movement while preventing deterioration of joint nosing from forklifts, dolly wheel traffic, and vibration. Rez-Stone 5042 can also be used as an effective membrane between moving substrates and non-flexible epoxy systems on walls and floors.

Advantages:

- ✓ Excellent adhesion without priming
- ✓ Non-flammable 100% solids epoxy
- ✓ Pourable, self-leveling or non-sag
- ✓ Chemical resistant to most industrial chemicals
- ✓ Outstanding durability to compressive loads

Limitations:

- ✓ Minimum substrate temperature 50°F
- ✓ New concrete must be at least 28 days old
- ✓ Surface must be free of standing water, clean, and free from contaminants
- ✓ Rez-Stone 5042 is not an expansion joint material

Packaging:

Unit Size: 2 quart units, 2 gallon units

Joint coverage is as follows:

- ¼" wide x ¼" deep 308 lineal feet per gallon
- ½" wide x ½" deep 77 lineal feet per gallon
- 1" wide x ½" deep 38 lineal feet per gallon

Surface Preparation:

Concrete surfaces must be clean and sound. Remove all dust, laitance, foreign matter, or other bonding-inhibiting substances by shot blasting, routing, chipping, or rotary brush. For a clean finished edge, 2" masking tape is recommended.

Mixing:

Mix Ratio: 1 Part A (resin) to 1 Part B (curing agent) by volume. Temperature of material must be between 60°F and 90°F at time of mixing for best application properties. Stir Part A (resin) component before blending. Mix two parts by volume Part A with one part by volume Part B for three minutes with low speed drill and paddle. Mix only that amount of material that can be used within its applicable pot life.

Application:

After proper mixing, the material can be poured directly onto the prepared joint. With narrow joints, the mixed material can be placed into a caulk gun and then applied into the prepared joint. Best practice is to fill joint full depth.

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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5042 TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	5,000 cps @ 70°F
Pot Life	35-45 Minutes @ 70°F
Tack Free	8 Hours @ 70°F
Color	Clear – Also available in all standard colors
Shelf Life	Greater than one year in original unopened package
Tensile Strength ASTM D-638	1,500 psi
Compressive Strength ASTM C-695	5,300 psi
Tensile Elongation	56%
Tensile Modulus	17,150 psi
Bond Strength	Greater than concrete

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