

REZSTONE

2011 Seaman St., Toledo, Ohio 43605 TECHNICAL DATA

5042
100% Solids
Semi-Rigid
Epoxy

5042 100% Solids Semi-Rigid Epoxy

Description: Rez-Stone 5042 is a non-shrinking 100% solids semi-rigid epoxy. For use in control and expansion joints that are subject to heavy industrial use in factories and warehouse areas. Rez-Stone 5042 accommodates normal movement while preventing deterioration of joint nosing, from forklifts, dolly wheel traffic and vibration. Rez-Stone 5042 can also be used as effective membrane between moving substrates and nonflexible 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.

Packaging: Unit Size: 2-quart units or 2-gallon units. Joint coverage is as follows:

| | |
|-----------------------|----------------------------|
| 1/4" wide x 1/4" deep | 308 lineal feet per gallon |
| 1/2" wide x 1/2" deep | 77 lineal feet per gallon |
| 1" wide x 1/2" deep | 38 lineal feet per gallon |

INSTALLATION

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. Where necessary a backing rod may be used. For a clean finished edge 2" masking tape is recommended.

Mixing: Mix Ratio: 1 Part A (resin) - 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 the Part A (resin) component before blending. Mix parts by volume, Part A (resin) with 1 part by Volume Part B (curing agent) for three minutes with low speed drill and paddle. Mix only the amount of material that can be used within its application pot life.

Application: After proper mixing, the material can be poured directly into the prepared joint. If a backing is not used a second application may be required. With narrow joints, the mixed material can be placed into a caulk gun and then applied into the prepared joint.

TYPICAL PROPERTIES AND SPECIFICATIONS

| | |
|---------------------------------------|-------------------------------------|
| Blended Viscosity..... | 5,000 cps @ 70°F |
| Pot Life..... | 35 - 45 minutes @ 70°F |
| Tack-free..... | .8 hours @ 70°F |
| Compressive Strength ASTM C-695 | 5,300 psi |
| Tensile Strength ASTM D-638 | 1,500 psi |
| Tensile Elongation | 56% |
| Tensile Modulus..... | 17,150 psi |
| Bond Strength | Greater than concrete |
| Color | Clear (All standard colors.) |
| Shelf Life..... | 1yr. in original unopened container |

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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