Rowan Resins 327
Crack Injection Grout

Technical Data Sheet

Revised September 03

DESCRIPTION

Rowan Resins 327 (RR 327) is a low viscosity epoxy resin adhesive used for injection into cracks in concrete.

BENEFITS

* Moisture insensitive

* Contains no volatile solvents

* Penetrates deep into concrete for greater bond area

RECOMMENDED USES

RR 327 is used to rejoin cracked concrete caused by shrinkage, settling, structural or mechanical damage, overload or stress caused by excessive equipment operating loads. Typical applications include repairing concrete infrastructures such as equipment foundations, bridges, columns and precast members.

RR 327 is ideal for architecturally renovating commercial buildings, monuments and other structures that need to be aesthetically improved. It has been used extensively in parking garage structures to minimize chloride penetration into the slab and reinforcing steel.

PHYSICAL PROPERTIES

Compressive Strength (ASTM D-695):	7,000psi
Tensile Strength (ASTM D-638):	5,000psi
Tensile Modulus (ASTM D-638):	1.05 x 10^5psi
Tensile Elongation (ASTM D-638):	11%
Pot Life @ 77˚F:	30 minutes
Color:	Amber
Viscosity:	200cps (+ or –50)

COVERAGE

Packaging:	1-1/2 gallon, 15 gallon units
Yield:	One gallon will fill 231 cu. in.

INSTALLATION PROCEDURES

RR 327 is intended for use with specialized metering/mixing equipment applied by experienced applicators. The following information is supplied for informational purposes only.

1. RR 327 is pumped into the crack using either a mechanically driven metering pump or with a hand held pre-mixed pressure gun. If premixed, Component A Resin and Component B Hardener must be mixed thoroughly prior to installation.

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2. The mixed adhesive is pumped into the crack at the first entry port until it begins to show at the next port. This indicates that the adhesive has reached full penetration.

3. The first injection port is then plugged and injection is resumed at the second port. This procedure is repeated until the entire crack is sealed. For vertical cracks, the first port injected is generally the lowest port. Ports are usually placed at intervals approximating the thickness of the structure that is being repaired.

4. Clean tools and equipment with Epoxy Grout Cleaning Solvent #2.

PRECAUTIONS

1. Do not apply at temperatures less than 45˚ F.

2. Do not thin with solvents.

3. Always pretest equipment to insure proper mixing and metering of components.

4. Be careful not to exceed recommended injection pressures.

5. Both components should be stored in a dry place at temperatures between 65 and 80˚ F.

6. Always wear protective clothing, gloves and goggles during use. Do not use in an unventilated area. Please refer to the Material Safety Data Sheet for detailed safety precautions.

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