



TECHNICAL DATA SHEET – REZROK® 106

Revised: 2/2017

DESCRIPTION

RezRok 106 is a two component highly reactive polymeric adhesive formulated specifically for bonding applications as low 0°F. This unique formulation is used for construction and structural repair applications.

PERFORMANCE DATA

COMPRESSIVE STRENGTH (ASTM C-579)	14,000 PSI
TENSILE STRENGTH (ASTM C-307)	4,500 psi
HARDNESS (ASTM D-2240)	60-70
BOND STRENGTH (ASTM C-882)	2,300 psi
VISCOSITY, @ 77°F	Paste
VOC	0.00 lb/gal; 0.00 gm/L
VOLUME SOLIDS	100%

STORAGE & INSTALLATION

STORAGE ENVIRONMENT	Dry area, 65-80°F
APPLICATION TEMPERATURE, AMBIENT	0-95°F
APPLICATION TEMPERATURE, SUBSTRATE	Minimum 5°F above dew point
SHELF LIFE	1 year
POT LIFE, @ 77°F	5 minutes
INITIAL SET TIME, @ 77°F	10 minutes
LIGHT FOOT TRAFFIC, @ 77°F	2 hours
FULL SERVICE, @ 77°F	12 hours

Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

BENEFITS

- Ideal for applications where fast set is required
- Contains no volatile solvents
- Can be cured at extremely low temperatures and in damp conditions
- Easy 1:1 mixing ratio
- Good physical strengths and toughness
- Low exotherm despite high reactivity
- Excellent resistance to distilled water, sodiumhydroxide, xylene, isopropyl alcohol and petroleum products; resistance to dilute acids, such as 5% acetic acid

RECOMMENDED USES

- Quick set bond & seal applications
 - Seal cracks in concrete
 - Stop water leaks
 - Bond steel fasteners to concrete
- Low temperature bond & seal applications
 - Seal pipe joints in very cold climates
 - Fill cracks and voids in freezers and coldstorage lockers

GENERIC DESCRIPTION: Epoxy

STANDARD COLORS: Gray
(after mixing black and white components)

PACKAGING: 2-Gallon Unit

MIX RATIO: 1:1 by volume

COVERAGE:

12 ft² / gallon @ 1/8" thickness
3 ft² / gallon @ 1/2" thickness

REZROK® 106
EPOXY PATCHING COMPOUND, FAST CURE

CONSIDERATIONS & LIMITATIONS

1. Do not thin with solvents unless advised to do so by ITW Engineered Polymers.
2. Confirm product performance in specific chemical environment prior to use.
3. Prepare substrate according to "Surface Preparation" portion of this document.
4. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
5. For industrial/commercial use. Installation by trained personnel only.

SURFACE PREPARATION

CONCRETE: Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants.

- New concrete should be cured a minimum of 28 days.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.
- Surface profile shall be CSP-3 to CSP-5 meeting ICRI (International Concrete Repair Institute) standard guideline #03732 for coating concrete, producing a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.
- Moisture vapor transmission should be 3 pounds or less per 1,000 square feet over a 24 hour time period, as confirmed through a calcium chloride test, as per ASTM E-1907. Quantitative relative humidity (RH) testing, ASTM F-2170, should confirm concrete RH results < 75%.

STEEL: For steel surfaces, a "Near White Metal" ultra high-pressure wash or abrasive blast with anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-10 or NACE No. 2 is required.

Refer to PolySpec Guidelines for Subfloor Preparation for additional details.

INSTALLATION STEPS

1. If temperature is above 45°F and time allows, prime surface with a PolySpec or TuffRez Epoxy Primer. See data sheet for application details.
2. Mix together Component A Resin and Component B Hardener in equal proportions. Stir very quickly and thoroughly to ensure an adequate blend.
3. Apply by spatula or trowel to prepared surface.
NOTE: Work quickly! Product cures faster when in mass.
4. Always wear gloves when using this product.

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