



TECHNICAL DATA SHEET – REZROK® 150

Revised: 2/2017

DESCRIPTION

RezRok 150 is a versatile three-component polymer floor compound used for patching and topping concrete floors. It is packaged specially for convenience and ease of mixing. It cures quickly at ambient temperature for quick turnaround.

PERFORMANCE DATA

COMPRESSIVE STRENGTH (ASTM C-579)	10,550 psi
TENSILE STRENGTH (ASTM C-307)	1,800 psi
FLEXURAL STRENGTH (ASTM C-580)	4,000 psi
HARDNESS, SHORE D (ASTM D-2240)	84-94
BOND STRENGTH (ASTM C-882)	425 psi
ABRASION RESISTANCE (ASTM D-4060)	79 gm
VOC	0.00 lb/gal; 0.00 gm/L
VOLUME SOLIDS	100%

STORAGE & INSTALLATION

STORAGE ENVIRONMENT	Dry area, 65-80°F
APPLICATION TEMPERATURE, AMBIENT	50-95°F
APPLICATION TEMPERATURE, SUBSTRATE	Minimum 5°F above dew point
SHELF LIFE	1 year
INSTALLATION THICKNESS	1/4" to 12"
POT LIFE, @ 77°F	45 minutes
LIGHT FOOT TRAFFIC, @ 77°F	8 hours
FULL SERVICE, @ 77°F	48 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

- Fast setting for quick turnaround
- Packaged for convenience, ease of use and easy clean-up
- Excellent bond strength to concrete
- Resists mechanical abuse and many chemicals
- Contains no volatile solvents
- Greater resiliency to concrete movement than cement-based products; won't crack or shrink during cure
- Can be applied in thicknesses from 1/4" to 12"
- Ideal for plant maintenance, including small repairs

RECOMMENDED USES

- Patch & repair concrete floors
 - Spalls by chemical spills
 - Damage from mechanical abuse or erosion
- Patch & seal around
 - Floor drains
 - Expansion joint edges
 - Penetrations in concrete

GENERIC DESCRIPTION: Epoxy

STANDARD COLORS: Gray

PACKAGING: 0.45-Cubic Foot (ft³) Unit, packaged in mixing pail and consisting of:

- Resin
- Hardener
- Aggregate (F-1 Powder)

MIX RATIO: 2:1 by volume

COVERAGE: 10 ft² @ 1/2" thickness, per 0.45 ft³ unit

REZROK® 150
EPOXY FLOOR PATCHING MORTAR

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%.
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

Refer to PolySpec Guidelines for Subfloor Preparation for additional details.

INSTALLATION STEPS

NOTE: For large areas, PolySpec recommends that the surface be primed with a PolySpec Epoxy Primer prior to installation of RezRok 150.

1. Remove all components from the pail. Open smaller containers and pour liquid contents of Component A Resin and Component B Hardener into pail. Mix well with a mechanical jiffy-type mixer operated at low speed.
2. Apply a thin coat of mixed liquid onto the surface as a primer.
3. Gradually add aggregate from plastic bag into the remaining mixed liquid binder. Mix until completely wetted out.
4. Pour mixture onto area to be repaired. Trowel smooth with a steel finishing trowel. Make sure to key in edges of patch to a minimum thickness of 1/4".
NOTE: Do not feather edge.
5. Always wear gloves when using this product.

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