



## RokRez Pro™ Industrial Floor Coating

### Description:

RokRez Pro™ is a uniquely formulated high-solids, two-component high-build epoxy that provides heavy-duty protection for industrial floors. RokRez Pro's extended working time makes the product easy-to-use and enhances adhesion by allowing maximum surface penetration.

### Features & Benefits:

- 100% Solids
- Self-Priming
- Easy to Apply, Self-Leveling
- Extended Pot-Life
- High-Gloss
- Smooth, Cleanable Floor
- Excellent Adhesion & Abrasion Resistance
- Impact Resistant
- Chemical Resistant
- Meets USDA requirements for incidental food contact
- Developed to be used with decorative vinyl chips for an attractive and durable finish

### Typical Uses:

- Industrial & Commercial Warehouses
- Food & Beverage Processing Facilities
- Electric Equipment Plants
- Manufacturing Facilities
- Pharmaceutical Plants
- Power Plants
- Automotive Service Areas
- High Traffic Applications
- Hangars
- Schools
- Shop Floors
- Garages

### Technical:

#### Physical Data

Finish	High Gloss	
Color	Clear, Tan, Gray, Steel Gray	
Components	2-Gallons Base to 1-Gallon Activator	
Curing Mechanism	Chemical reaction between components	
Volume Solids	100%	
DFT per Coat	10 to 20 mils	250 to 750 microns

#### Theoretical Coverage

	ft <sup>2</sup> /Gallon	m <sup>2</sup> /Liter
10 mils (250 microns)	160	3.9
16 mils (400 microns)	100	2.4
20 mils (500 microns)	80	1.9

VOC (EPA 24)	0.3 lb/Gallon	38 g/Liter
--------------	---------------	------------

#### Flash Point

	°F	°C
Base	478	248
Activator	214	101

**Performance:**

Flexural Strength	ASTM D790	~12,400 psi
Compressive Strength	ASTM C579	10,500 psi
Tensile Strength	ASTM D638	~6,000 psi
Abrasion Resistance	ASTM D4060	100 mg loss <i>CS17 wheel, 1000 cycles, 1 Kg load</i>
Hardness, Shore D	ASTM 2240	75

**Surface Preparation:**

Concrete and primed concrete surfaces must be clean, dry and free of contaminants such as dirt, dust, grease, oil and other foreign materials. A suitable moisture barrier must be in place for concrete slabs on-grade. If a moisture barrier is not in place, seasonal variations in ground moisture can cause excessive hydrostatic pressure regardless of results measured prior to coating application.

New/Bare Concrete

Refer to SSPC-SP13, NACE 6, or ICRI No. 310.2, CSP 1-3.

Surfaces should be thoroughly clean and dry. New concrete must be cured a minimum of 28 days.

Concrete can be abrasive blasted (ASTM D4259) or mechanically abraded to achieve a profile equal to 60 grit sandpaper or coarser. Moisture vapor transmission should be 3 lbs. or less over a 1000 sq. ft. area during a 24 hour period, measured and confirmed through a calcium chloride test. Concrete should have a minimum surface tensile strength of 300 PSI verified by a pull-off adhesion test. Slabs on grade that do not have an appropriate moisture barrier installed may be subject to seasonal moisture migration that can result in coating disbandment. Should concrete not meet moisture vapor transmission or tensile strength requirements, contact your local sales representative for guidance. Consult the following ASTM methods: ASTM- 4263 – plastic sheet method for checking moisture in concrete; ASTM 4258 standard practice for cleaning concrete; ASTM 4259 standard practice for abrading concrete.

Previously Painted Concrete

Old coatings and concrete must be in sound condition. Surfaces must be clean, dry and free of contaminants such as dirt, dust, grease, oil and other foreign materials. Old coatings must be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if the old coatings are peeling, chipping or are otherwise in poor condition, remove the coatings down to bare concrete and prepare the bare concrete as shown above.

**Application Data:**

Surface preparation must be completed as indicated.

Application Temperature Conditions

Air	55°-95°F	13°-35°C
Surface	55°-95°F	13°-35°C
Material	55°-95°F	13°-35°C

	60°-70°F	71°-80°F	81°-85°F
Pot Life	60-90 Min	45-60 Min	30-45 Min
Working Time (after poured)	2-2.5 Hours	1.5-2 Hours	60-90 Minutes

Drying Schedule @ 16.0 mils wet (250 microns)

	60°-70°F	71°-80°F	81°-85°F
To Touch	16-24 Hours	14-20 Hours	12-18 Hours
To Recoat (Minimum)	24 Hours	18 Hours	16 Hours

To Recoat (Maximum)	72 Hours	72 Hours	72 Hours
Foot Traffic	24 Hours	20 Hours	18 Hours
Heavy Traffic	96 Hours	72 Hours	60 Hours
Full Cure	7 Days	7 Days	7 Days

*Recoating after 72 hours requires surface abrasion to ensure proper adhesion*

### Application Equipment:

Squeegee – Flat or notched rubber squeegee (depending upon DFT required) with EPDM rubber blade, available from manufacturers of quality application tools like Midwest Rake Company.

Rollers – Use a 3/8” shed-resistant woven roller cover with phenolic core for back-rolling, available from manufacturers of quality application tools like Wooster Brush Company.

### Mixing:

Pour all of Activator into Base and mix thoroughly with mechanical mixer for at least three minutes. RokRez Pro is ready for immediate use after mixing. See charts for appropriate times and pot life. Material which has begun to set (thicken) cannot be satisfactorily used and must be discarded. Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation. RokRez Pro is packaged in the proper proportions which must be mixed together before use. **MIX FULL UNITS ONLY.**

### Application Procedure:

Pour mixed material onto floor in a long bead approximately 12-18 inches wide. Do not drain or scrape remaining material in bucket.

Use either a flat or notched rubber squeegee and spread material to uniform thickness. As material is being spread, another applicator should immediately back-roll material with a 3/8” shed-resistant woven roller cover. **DO NOT BACK-ROLL MATERIAL AFTER IT BEGINS TO TACK-UP.**

**PRIMING:** For bare, porous or pitted concrete it is recommended that a coat of ROKREZ PRO is applied at 250 -500 ft<sup>2</sup>/gal as a prime coat to help prevent any craters or outgassing in the finish coat. ROKREZ PRO can be reduced (thinned) by adding 10% of acetone, xylene or MEK to a 3-Gallon Kit when used as a primer coat. *VOC regulations vary by state. Only use state approved solvent.*

**COLOR VARIATION:** When coating a single floor area, always use material with the same batch number. If using more than one batch number, be sure to mix the material from different batch numbers together to ensure color uniformity. Color uniformity cannot be guaranteed from batch to batch. To help prevent visual color differences during application, be sure to minimize the time between tie-ins. Use control joints or natural breaks as breaking points between mixes. Color differences can be caused by variations in temperature, humidity, substrate temperature, induction time, mil thickness, product reactivity and surface profile. Consult with a Simiron representative for help or questions with your project.

### Application Tips:

After mixing, immediately pour the amount of coating needed onto the surface area. Higher temperatures will shorten the pot-life. Pouring the material onto the coating surface instead of leaving it in the bucket will increase working time.

**Clean Up:**

Clean brushes, rollers, tools and equipment with a strong safety solvent, follow solvent manufacturer's safety instructions. Use "waterless" hand cleaner to remove dried material from skin.

---

**Shipping Data:**

Packaging 3-Gallon Kit (2-Gallons Base; 1-Gallon Activator)

Shelf life is 36 months when stored indoors at 55°F to 95°F (13°C to 35°C) for Base and Activator

---

**Safety Precautions:**

Refer to SDS sheet before use. Safety precautions must be strictly followed during storage, handling and use.

---

**Warranty:**

Simiron warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). Simiron will replace at no charge the quantity of the Coating that Simiron determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded.

---

**Corporate Office**

Simiron  
32700 Industrial Drive  
Madison Heights, MI 48071  
(248) 686-3600 / (866) 515-8775

---

**Disclaimer:** *All information provided by Simiron concerning Simiron products, including but not limited to, any recommendations and advice relating to the application and use of Simiron products, is given in good faith based on Simiron's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Simiron's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Simiron's control are such that Simiron assumes no liability for the provision of such information, advice, recommendations or instructions related to its products. The use of Simiron product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).*

*Simiron reserves the right to change the properties of its products without notice. All sales of Simiron product(s) are subject to its current terms and conditions of sale which are available by calling (866) 515-8775.*