

PRODUCT 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 DATA

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

THEORETICAL COVERAGE		
10 mils (250 microns)	160 ft ² /Gal	3.9 m ² /Liter
16 mils (400 microns)	100 ft ² /Gal	2.4 m ² /Liter
20 mils (500 microns)	80 ft ² /Gal	1.9 m ² /Liter
VOC (EPA 24)	0.3 lb/Gal	38 g/Liter

FLASH POINT		
Base	478°F	248°C
Activator	214°F	101°C

PHYSICAL PERFORMANCE PROPERTIES		
Flexural Strength	ASTM D790	~12,400 psi
Compressive Strength	ASTM C579	10,500 psi
Tensile Strength	ASTM D638	~6,000 psi
Abrasion Strength	ASTM D4060 <i>CS-17 wheel, 1000 cycles, 1kg load</i>	45 mg loss
Hardness, Shore D	ASTM 2240	78/80

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 ICR 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.

SURFACE PREPARATION (CONT.)

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.

INSTALLATION

Surface preparation must be complete 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

APPLICATION TEMPERATURE CONDITIONS (CONT.)

	60°—70°F	71°—80°F	81°—85°F
Pot Life	60—90 mins	45—60 mins	30—45 mins
Working Time (after poured)	2—2.5 hours	1.5—2 hours	60—90 mins

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 BACKROLL 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 ft²/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.

Do not apply RokRez Pro™ Clear more than 25 mils thick. Applying RokRez Pro™ Clear thicker than a total of 25 mils can lead to a hazy semi-transparent film.

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.



ROKREZ PRO™ INDUSTRIAL FLOOR COATING

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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.

SHELF LIFE AND STORAGE

Shelf life is 24 months when stored in factory-sealed containers indoors at 55°F to 85°F (13°C to 30°C) for Base and Activator. Keep containers tightly sealed. **DO NOT FREEZE.**

SAFETY PRECAUTIONS

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

***Refer specific coating label and product data page for detailed product guidelines.**

ORDERING INFORMATION

Size/Color	Item Number
3gal Tan Kit	40001346
3gal Gray Kit	40001377
3gal Steel Gray Kit	40001384
3gal Clear Kit	40001391
3gal Black Kit	40003234

**3gal Kits contain 2gal Base and 1gal Activator

TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of Simiron. The information and recommendations given here are subject to change and pertain to the product offered at the time of publication. Consult your Simiron representative to obtain the most recent product data sheet.

For technical assistance, call **1-248-686-3600** or visit www.simiron.com

CAUTION

⚠ Only apply when there is adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH approved) or leave the area.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room or physician immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

LIMITED WARRANTY

Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the applicator's inability to use the product for his/her intended use. The user assumes all risk and liability.



QUESTIONS?
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