

DESCRIPTION: RhinoCrete™ SF Sealer is a low odor, gloss, 100% solids, chemical resistant urethane coating designed to be used as a pigmented grout and finish coat over RhinoCrete Cementitious Urethane systems. RhinoCrete SF Sealer is formulated specifically for application in food & beverage processing environments where its semi-flexible design, chemical and thermal shock resistance make it a tougher alternative to a 3-component urethane topcoat.

TYPICAL USES: RhinoCrete™ SF Sealer is an economical yet versatile coating, making it suited to a very wide range of industrial and commercial flooring applications. These include: all food & beverage processing, pharmaceutical plants, commercial kitchens, mechanical rooms, engineering m/c shops manufacturing, loading docks, hot/cold wash areas, chemical processing, chilling/refrigeration areas, prisons and hospitals.

FEATURES & BENEFITS:

- Longer Working Time
- 100% Solids
- Superior Point Impact Resistance
- Gloss
- Heat Resistant to 220°F
- MicrobeuBLOK Anti-microbial
- Superior Point Impact Resistance
- Low Odor
- Longer Working Time Compared to other Urethane Topcoats
- Thin/Thick Applicable
- Excellent Chemical Resistance to Acids and Alkalis
- RhinoCrete Catalyst Available for Fast-Track Applications

PHYSICAL CHARACTERISTICS	
Mix Ratio (by volume)	1 unit of resin, 1 unit of hardener, 2 x pigment packs
Viscosity at 70°F	800 cps (average)
Pot life at 70°F	25 minutes
Cure Time, Tack-Free at 70°F	8 hours
Working Time at 70°F	25 minutes
Volatile Organic Compound	(VOC) nil

APPLICATION METHODS: See application guidelines for details.

PACKAGING: Pre-measured kits: 1 unit of resin, 1 unit of hardener, 2 x pigment pack

STORAGE: Materials should be stored indoors between 65°F (18°C) and 90°F (32°C)

SHELF LIFE: Unopened containers - 1 year from date of manufacturing. Cement based aggregates should be stored in a dry environment for maximum shelf life.

COVERAGE: A gallon of RhinoCrete™ SF Sealer will cover in the following manner, with a *standard spread rate:

- 120 sq ft/gallon over relatively smooth substrate
- 90 sf/gallon over 40-Mesh Aggregate
- 50 sf/gallon over 25-Mesh Aggregate

*Application of grout/topcoats is variable depending upon application method and profile of surface.

RECOAT REQUIREMENTS: In the event of a recoat application beyond 36 hours, the existing topcoat should be prepared using 60-grit sand screen, vacuuming, and tack-wiping before re-application. Please call Rhino Flooring technical support for further instructions.

RHINOCRETE SF Sealer (continued):

CHEMICAL PROPERTY	TEST METHOD	TC
Hardness (Shore D)	ASTM D-2240	80
Adhesion	ASTM D-4541	>400 psi, substrate fails
Impact Resistance	ASTM D-2794	>160 in./lb.
Water Absorption	ASTM D-570	<0.1%
Flammability	ASTM E-648	Class 1
Abrasion Resistance: CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	40 mg loss
Coefficient of Friction (James Friction Tester) Wet Dry	ASTM D-2047	0.9 (smooth) 0.9 (smooth)
Heat Resistance Limitations on Thermal Cycling (5 min. interval) (10 min. interval) Continuous Heat	Hot Oil (400°F) to Ice Water (25°F) Hot Oil (400°F) to Ice Water (25°F) 1 hour 300°F Hot Oil Submersion	40 cycles – no effect 40 cycles – no effect no effect
Tensile Strength	ASTM C-307	2,200 psi

MIXING INSTRUCTIONS

Application Equipment:

- Personal Protective Equipment (PPE) & clothing per SDS (Safety Data Sheet)
- Jiffy® Mixer Blade (ES Model)
- Clean Mixing Container
- Low Speed /High Torque Power Drill
- Shed-Resistant Roller Cover- 3/8" Nap
- Application Squeegee

RhinoCrete™ is supplied as 1.75 gallon kit. Two powdered pigment packs OR 16 oz. of Universal Colorant is recommended per kit of material. When field pigmenting, it should be added and mixed in homogenously to the resin prior to adding the hardener. When combining, be sure to add the hardener into the clean mixing container first. Then add the resin (clear or pigmented) scraping out the container. Always pour into the center of the mixing container. Mix the components thoroughly for 1 minute with a Jiffier ES style mix blade. Mix only enough material at one time that can be applied without exceeding the pot life.

LIMITATIONS This product is best suited for application in temperatures between 50°F and 85°F. It is recommended to apply RhinoCrete™ SF Sealer no thinner than 10 mils in thickness. Do not install RhinoCrete™ SF Sealer if RH >85%.

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS) Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines. For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, Rhino Linings Corporation makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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