

PART NUMBERS:

RF100-SL-C
 RF100-BS-A D
 RF100-HR-B D
 RF100-(Standard Color)

DESCRIPTION:

RhinoCrete™ SL - SLQ - SLF is a self level, slurry broadcast, seamless, cementitious-urethane concrete overlay. Typically applied between 1/8" – 3/26", this system is designed to be a cost effective, high functioning solution. Highly resistant to chemical attack and abrasion, this solid color (SL), decorative broadcast (SLQ) or flake broadcast (SLF) is a great choice. It provides uncompromising performance characteristics with user friendly trowel-ability, working time and low odor – a unique formula for success.

TYPICAL USES:

The RhinoCrete™ SL system is a economical yet versatile system, 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
- MicrobeuBLOK Antimicrobial
- Non-Food Tainting
- ProColor Universal Colorants
- Superior Flow & Leveling
- Low Odor/Zero VOC
- Reduced Outgassing
- Can Be Applied at Lower Temperature, Down to 36°F
- Moisture Tolerant System up to 25 lbs or Internal RH of 99%
- Service Temperature up to 220°F, or 250°F for Intermittent Spills
- RhinoCrete™ Accelerator available for Fast-Track Projects & Quicker Return to Service
- Meets USDA, FDA, & CFIA Standards
- Excellent Chemical, Stain & Impact Resistance
- Can Be Applied to 5 Day Old Concrete
- Self-Priming
- LEED – Renewable Resources
- Superior Adhesion Quality
- Excellent Thermal Shock Resistance

PHYSICAL CHARACTERISTICS

Mix Ratio (by volume)	1 unit of resin, 1 unit of hardener, pigment pack and 1 blended aggregate bag
Viscosity at 70°F	Not Applicable
Pot life at 70°F	20 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, pigment pack and a blended aggregate bag.

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:

One single kit of RhinoCrete™ SL will cover approximately 60 sq ft @ 1/8" thickness and 100 sq ft @ 1/16" thickness.

CHEMICAL PROPERTY	TEST METHOD	SL
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	50 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
Compressive Strength	ASTM C-579	9,500 psi
Tensile Strength	ASTM C-307	1,500 psi
Flexural Strength	ASTM C-580	2,200 psi
Flexural Modulus of Elasticity	ASTM C-580	2.6 × 10 ⁶ psi
Thermal Coefficient of Linear Expansion	ASTM C-531	1.1 × 10 ⁻⁵ in./in. °F

SAFETY PRECAUTIONS:**Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings product SDS 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 end users and processors.

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Contact Rhino Linings Technical Support at 858-450-0411 for additional questions.

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