Rhino Flooring™
NATURALLY TOUGH
by Rhino Linings®

RhinoCrete™ SL
Application Instructions

RhinoCrete™ SL is a self-leveling broadcast system. RhinoCrete™ SL is typically applied at thicknesses ranging from 1/8" to 3/16".

SURFACE PREPARATION

Surface must be clean, sound, dry and free of all oil, grease, detergent film, sealers and/or curing compounds. A CSP 4-6 surface profile is appropriate for most applications. Anchor grooves, at least 1/4" wide and 1/4" deep, must be cut at a 6" perimeter along all walls, edges, pillars, doors, drainage channels, grid drains, and penetrative joints. All moving joints must pass through the coating and must be sealed. Anchor grooves must be cut on both sides of such joints.

MIXING/APPLICATION

Do not mix this product in direct sunlight or when temperatures exceed 85°F. Exposure to high temperatures will greatly reduce the working time of this product. Make ready all necessary tools, mix and measure containers, etc. DO NOT MIX UNTIL READY FOR IMMEDIATE USE. Ensure all components are between 50°F and 85°F. RhinoCrete™ SL is supplied in premeasured units consisting of one pail of resin, one pail of hardener, one bag of aggregate (powder) and a desired color pack. Pour resin into power mixer pail, scraping bottom and sides to assure all pigment is transferred. Color pack should be added and blended into Part A before adding Part B. The resin and hardener should be added to a forced circulation pail mixer and pre-blended for approximately 30 seconds. Gradually add aggregate until homogenous mix is attained. (Approximately 1 minute) Move the paddle back and forth scraping the bottom and sides of the pail while mixing. THOROUGH BLENDING IS MANDATORY. A properly mixed batch trowels easier and has a uniform surface appearance. Incomplete mixing will cause an inconsistent finish and/or possible blistering. Clean mixing paddle and pail regularly to avoid mixing fresh material with older batches. This may result in irregular curing or blisters. Apply material immediately after mixing. Place the entire batch of mortar on the floor. Spread to desired thickness with gauge rake and backroll. Broadcast 30 mesh clean dry quartz to refusal at a rate of 1lb. per sq. in. Decorative color quartz can be used as well (SLQ)

NOTES

KKeep moisture from contacting RhinoCrete™ SL during storage, installation and curing. Water may alter surface appearance. Mix only what can be applied in <20 minutes. Never attempt to re-temper the mortar after it begins to set. DO NOT STORE RHINOCRETE™ SL IN DIRECT SUNLIGHT. Use a thermometer that can be pushed into middle of aggregate bag if high temperatures are a concern. Aggregate that is +90F when used can cause Co2 blistering.+90°F when used can cause Co2 blistering.

PRIMING

RhinoCrete™ SL is designed as a self-priming system. If a situation occurs where priming may be necessary, please consult your Rhino Flooring Technical Sales Person.

FINISHING

Dependent on broadcast choice, RhinoCrete™ SL can be top coated with a variety of pigmented or clear epoxies and urethanes for desired finish and UV Stability if needed. Decorative flakes can be added for desired look (SLF).

CURING

Allow a minimum of eight hours cure time at 70ºF for a tack free finish and able to receive epoxy or urethane top coats . Cure times will lengthen in lower temperatures. Additional time must be allowed for heavy loads.

EDGE DETAILS

Wherever a free edge will occur, including doorways, wall perimeter, expansion joints, columns and equipment pads, keyways must be cut in. At free edges, such as doorways, drains and transition to other floor systems, a 1/4" wide by a 1/4" deep keyway is recommended.

CRACK REPAIR / PATCHING

Up to 1/4" x 1/4" can be overlaid at the time of install with RhinoCrete™ SL. Rhino Flooring offers many suitable options for crack repair and patching. Please consult your Rhino Flooring Technical Sales person or technical department for recommendations for your project.

MOISTURE CONCERNS

Acceptable limits of moisture vapor transmission for RhinoCrete™ SL is 12 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 99% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170.

CAUTION

As with all chemical products, please review the SDS of each product used for health considerations and suggested Personal Protective Equipment ("PPE").

Rhino Linings®
PROTECTION NEVER LOOKED SO GOOD™

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