

INTERIOR SELF-LEVELING UNDERLAYMENT

PUMPABLE AND POURABLE

VALUE ENGINEERED

EASY TO USE

FLOWCRETE® SLU+

***Can Be Applied Up To 5 Inches**

***Can Be Applied Over Concrete & Ceramic Tile**

***Allows Rapid Installation of Most Floor Coverings**

PRODUCT DESCRIPTION

FLOWCRETE SLU+ is a cement based, non-shrinking, self leveling floor underlayment designed for interior use. This single component product produces a smooth subfloor that will accept floor coverings in as little as 12 - 18 hours after installation. Just mix **FLOWCRETE SLU+** with water, pour or pump, and it will seek its own level to produce a smooth, flat hard surface

PRODUCT FEATURES

- **FLOWCRETE SLU+**, when properly mixed, produces a flowable underlayment with a flow time of 20 minutes at 70°F.
- Can be featheredged without fear of chipping or spalling.
- Self-leveling, requiring no troweling
- Can be pumped Produces a smooth, blemish free surface, requiring no grinding or sanding
- Is compatible with most adhesives for carpet, tile and the like.

PRODUCT APPLICATIONS

FLOWCRETE SLU+ can be applied in thicknesses ranging from a featheredge up to 2". It can be installed up to 5" in thickness with the addition of pea gravel. **FLOWCRETE SLU+** will develop a superior bond to the substrate and will normally accept foot traffic within 2 to 4 hours depending upon heat, humidity and other jobsite conditions.

PURPOSE: **FLOWCRETE SLU+** can be used to level or smooth interior floors. It can be used on new construction projects to correct rough, unfinished, or uneven floors.

PREPARATION: To prepare surface, follow all standard ACI recommendations. Remove all dirt, gas, oil, grease, asphalt, paint, curing compounds, and all loose surface materials. Concrete substrates should be profiled to a minimum CSP#3, shot blasting is preferred.

PRIMING: Prime all surfaces with P-100 Primer at approximately 200 sq. ft. per gallon. Apply thin even coat with a brush or broom, NOT a roller. Coverage will depend upon the condition and texture of the surface. Very porous surfaces may require two applications of primer. Allow P-100 Primer to dry white to clear before applying **FLOWCRETE SLU+**.

MIXING: Pour 5 1/2 quarts of water into a mixing container, then add one 50 pound bag of **FLOWCRETE SLU+**. With a blending paddle attached to a heavy duty drill (700 rpm), mix for 2 to 3 minutes until mixture is smooth and free of lumps. For pumping applications, mix for one to two minutes in the pump's mixing tank. Do not over water or re-temper. **FLOWCRETE SLU+** can be extended by adding 15 pounds of clean 3/8" pea gravel for each 50 pounds of product. First mix **FLOWCRETE SLU+** as provided in earlier instructions. During the last minute of mixing, add the required aggregate. Should a finish coat be required, apply a non-extended layer of **FLOWCRETE SLU+**. Allow the 1st layer to harden 24 hours and re-prime the first pour with another layer of P-100 Primer prior to the finish coat.

PROPERTIES

Working Time:	15-20 minutes
Color:	Gray
Time to Traffic	
Install Floor Goods	3-72 Hours (depending on product)
Compressive Strength (ASTM C-109, Air Cured)	
	1 day - 3000 PSI
	7 days - 4500 PSI
	28 days - 5500 PSI
Flexural Strength (ASTM C-348, Air Cured)	
	28 days - 1150 PSI
Tensile Strength	600 PSI
Dry Density	125 lbs / cu ft

APPROXIMATE COVERAGE: Per 50 lbs Bag

1/8" - 48 sq ft	1/4" - 24 sq ft	1/2" - 12 sq ft
1" - 6 sq ft	2" - 3 sq ft	

PACKAGING: **FLOWCRETE SLU+** is packaged in 50lb. bags, 60 per pallet. factory sealed containers of the product are guaranteed for 1 year if stored off ground in a dry area. See warranty for details.

INSTALLATION: Pour **FLOWCRETE SLU+** over the substrate spreading the material with a long handled spreader. **FLOWCRETE SLU+** can be pumped using an appropriately sized grout pump. For more information on grout pumps and pumping, please contact Lyons Manufacturing, Inc.

No troweling is necessary. **FLOWCRETE SLU+** will level itself during the first 20 minutes at 70°F, and will accept foot traffic in 2-4 hours depending upon jobsite conditions. We recommend wearing spiked shoes when installing **FLOWCRETE SLU+**. Under normal conditions, floor coverings can be installed in 12 to 18 hours, depending upon job site conditions. All flooring adhesives compatible with concrete may be used on .

Do not install **FLOWCRETE SLU+** when the average daily temperature is less than 40°F. During hot weather, work quickly and use cold water chilled for mixing, as the average working time will decrease.

DRYING TIME: P-100 Primer 20-30 minutes at 70°F and 50% relative humidity

APPLICATION - WOOD FLOORS

FLOWCRETE SLU+ can be applied over wood floors however the following substrate preparation is essential.

SURFACE PREPARATION: Wood subfloors must be solid hardwood flooring a minimum of ¾" thick. The wood floor must be solid and securely fixed to provide a rigid base that ensures no flexing. Any areas showing any movement must be re-nailed. The wood floor must also be completely free clean, free of any wax, dust, grease and any contaminates that could possibly interfere with adhesion.

PRIMING:

P-100 Primer, follow all instructions in regards to priming as stated on the Technical Data Sheet. Wood floors will require a second application of P-100 Primer crossed at 90 degrees to ensure bonding into the wood. Allow the primer to dry between applications. Once the P-100 Primer is applied, install galvanized, expanded metal lath mesh, stapling every 6 inches. Overlap adjacent pieces of lath mesh by approximately 1 inch. After the lath mesh is placed, allow the P-100 Primer to dry thoroughly. The metal lath can be installed while the primer is drying, however, do not walk or stand on the wet primer. Allow the primer to dry.

LIMITATIONS/PRECAUTIONS

Do not allow **FLOWCRETE SLU+** or P-100 Primer to freeze. In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices. Use only potable water for mixing.

FLOWCRETE SLU+ is adhered with P-100 Primer a one time, rewettable primer. Therefore do not use in areas where frequent water contact or a continuous wet environment exists for the first four days. Concrete should be free of hydrostatic pressure and vapor transmission rates should comply with finish flooring manufacturers requirements. Concrete should be a minimum 3000 psi.

Minimum surface and ambient temperature of 45°F and rising is required at the time of application. For optimum results, condition material to between 65°F and 85°F.

Caution: Contains Portland Cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles, and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.

Avoid hazards by following all precautions found in the Material Safety Data Sheet (MSDS), product labels, and technical literature. Please read this information prior to using the product.

CLEAN UP

Tools, pumps, and equipment may be cleaned with water before hardens.

SHELF LIFE

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight.

LIMITED WARRANTY

Lyons Manufacturing, Inc. warrants the high quality of its products. However, because of many factors beyond our control in its use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price of replacement of this material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within 1 year from the date of shipment from the factory. This warranty is in lieu of all other warranties, expressed or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purposes. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental, or consequential damages or losses of any kind.

LYONS MANUFACTURING, INC.

8900 Forney Road ♦ Dallas, TX 75227 ♦ 214/381-8100
www.lyonsmanufacturing.com