



COLOSSAL 117-USL

Urethane Self Leveler

PRODUCT DATA SHEET

623 Chatsworth Hwy. 225

Calhoun, GA 30701

888.871.8877

lamininindustries.com

PRODUCT DESCRIPTION

Colossal 117-USL Urethane Self Leveler is a two component urethane leveling compound capable of creating a moisture barrier of up to 100% RH with Colossal 117-EPS Epoxy Primer and Sealer. It provides Sound Transmission Control and Insulation Impact Classification and can be adhered to in just under 4 hours. Product must be applied at a minimum of 1/32" but can be applied up to 1/2". Colossal 117-USL is extremely durable and may be used in conjunction with other Laminin Industries products.

KEY FEATURES and BENEFITS

- * Moisture cured urethane
- * High solids content
- * Non-Flammable
- * Contains no solvents
- * Freeze/ Thaw stable
- * Use under any flooring (wood, VCT, LVT, sheet vinyl, ceramic, etc.)
- * Dries in less than 2 hours
- * Contains no VOC (calc. per CA Rule 1168)
- * Improves bonding of Laminin adhesives
- * Contains no water
- * Bridges cracks
- * Isocyanates based for string bonding
- * Contains no plasticizers
- * Suitable for radiant heat systems
- * Resistant against aging, remains elastic

APPROVED SUBSTRATE TYPES

- * Wet Concrete Slab up to 18#/ 24 hours/ 1000 SF and 97% RH
- * Properly installed and sound Laminin surface preparation products
- * Concrete slabs
- * Stone, Terrazzo
- * Cured Leveling Compounds
- * OSB (Underlayment grade)
- * Asphalt
- * Ceramic Tiles
- * Plywood (Underlayment grade)

APPROVED SURFACE PREPARATION PRODUCTS

- * Colossal 117-EMB Epoxy Moisture Barrier
- * Colossal 117-CSL Cementitious Self-Leveler
- * Colossal 117-EPS Epoxy Prime and Seal
- * Colossal 117-MRS Moisture Resistant Smooth Skim

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PRODUCT LIMITATIONS & SURFACE PREPARATION

Colossal 117-USL:

* Sub-floor temperatures between 32 degrees F and 50 degrees F (0 and 10 degrees C) will dramatically increase drying time up to 24 hours. Never install product when sub-floor temperature is below freezing or if condensation could occur on the sub-floor within 24 hours after application.

* USL will not prevent moisture damages from hydrostatic pressure, missing or compromised vapor barriers, underground springs, damaged water pipes, sinks, ice makers, faulty plumbing, flooding, etc.

A successful installation requires proper preparation of the sub floor. Read and understand all applicable guidelines and technical data sheets before installation. Follow industry standards and flooring manufacturer's recommendations for the sub floor moisture content, design, layout and application of the flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

Prior to installation, the sub floor must be checked according to national standards. It must be solid and sound, level, free of indentations as well as resistant to pressure and tension. Depending on type and condition of sub floor, a mechanical treatment (e.g. mechanical brushing, grinding or sanding) may be required. Intensity of such work must be determined at the site by the installer. Dust, paint, residual adhesives or other surface contaminants must be removed by suitable means. Cleaning the surface with an industrial vacuum is recommended. Cracks and gaps must be filled with concrete crack filler unless they are expansion joints. Level when necessary to 3/16" within ten feet. Heated sub floors must be primed.

When using other than Laminin Industries products in conjunction with Laminin Industries primers, sealers, leveling compounds or adhesives, Laminin Industries denies any and all responsibility for any ensuing problems and/or damages without prior written authorization from Laminin Industries. This adhesive will maintain its integrity and performance even when high levels of moisture or water are present. While this adhesive can withstand any amount of moisture, it does not qualify as a moisture inhibitor. Please see above for recommended sealers if a moisture barrier is required. In case of accident, injury, spill or exposure, see SDS information sheet for appropriate action. Consult technical data sheet at lamininindustries.com for updated information. The foregoing representations are based on the results of our most current product and material testing within a controlled environment and are of a non-obligatory advisory nature only. As such, they do not constitute an express or implied warranty of any kind including the Warranty of Merchantability and/or Fitness for a Particular Purpose. Because we have no control over the actual quality of workmanship, materials used and worksite conditions, Laminin Industries, LLC will in no event be liable for any incidental and/or consequential damages. Therefore, we strongly recommend that prior on-site testing be conducted to refer to and study the suitability of the product for the intended purpose. With the release of this technical information sheet, all its prior versions become invalid. For warranty and warranty disclaimer information, please contact your Laminin Industries sales associate.

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MIXING INSTRUCTIONS

Pour part B completely into part A. Thoroughly mix the two components with an electric mixer for at least three minutes or until a uniform mixture and color are achieved.

INSTALLATION INSTRUCTIONS

Spread the leveling compound within approximately 20 minutes. Do not pour the compound in one spot, but evenly over the entire (approximately 6 x 6 ft) area to be covered. The self-leveling compound does not need to be leveled mechanically and forms an even surface by itself. Protect the leveling compound from direct sunlight and draft during drying. Best results are achieved by moving in from a dry spot (not applied) and then passing through the leveler. Finish by moving the trowel to another dry spot (unapplied area) before lifting it from the floor.

POST APPLICATION

Flooring application can occur approximately 4 - 6 hours depending on environmental conditions.

CLEAN UP PROCEDURES

- * Do not allow to harden on tools
- * Clean up while product is still wet

ADDITIONAL TECHNICAL INFORMATION

Viscosity	500 cps
VOCs (Rule #1168 of California's SCAQMD)	< 0 g per L
Density	11.9 lbs. per U.S. gal.
pH Limit	14
Compression Strength [psi] EN ISO 604	14,500



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Trowels Recommendations_	Coverage
1/8" x 5/32" Sawtooth notch	up to 42 SqFt/Gal
Pot Life_	Approximately 20 minutes @ 70 F°
Application Temperature	50-90 F°
Application Relative Humidity	20-90%
Packing Size_	3.75 gal. Plastic Pail Combo Pail (A+B)

Material Type_	2-part Urethane
Shelf Life	24 months in unopen container in a controlled in environment
Color_	Part A: Cream, Part B: Brown
Mixing Ratio	6.3 Parts A + 1 Part B by weight