



### **PRODUCT DESCRIPTION**

Colossal 117-EPS Primer and Sealer is a two-component, hybrid epoxy, resin based primer for sub-floor preparation prior to installation or urethane-based leveling compounds. Unlike water or urethane-based primers, Colossal 117-EPS is not affected by elevated sub floor moisture. It will not foam up or get weaker because of water present in the sub floor. It also has a higher penetration of the concrete compared to traditional 100% solid epoxy, which creates a stronger bond. It does NOT however create a moisture barrier, but merely reduces the amount of vapor penetration. Colossal 117-EPS spreads easily and creates a dust free surface ready for safe installation of flooring. It increases the bonding of subsequently applied primers, leveling compounds, and/or adhesives.

### **KEY FEATURES and BENEFITS**

- \* Exceeds all ASTM-F3010-13 requirements
- \* High solids content
- \* Moisture barrier up to 25# or 100% rH
- \* Contains no solvents
- \* Spreads easily
- \* Freeze/ Thaw stable
- \* Use under any flooring (wood, VCT, LVT, sheet vinyl, ceramic, etc.)
- \* Contains no VOC (calc. per CA Rule 1168)
- \* Improves bonding of Laminin adhesives
- \* Adhesive is waterproof when cured
- \* High spread rate
- \* Contains no isocyanates
- \* Excellent penetration of sub floor
- \* Suitable for radiant heat systems

### **APPROVED SUBSTRATE TYPES**

- \* Wet Concrete Slab up to 25#/ 24 hours/ 1000 SF and 100% RH
- \* Properly installed and sound Laminin surface preparation products
- \* Concrete slabs
- \* Stone, Terrazzo
- \* Cured Leveling Compounds
- \* Ceramic tiles
- \* Stained concretes (well bonded)

### **APPROVED SURFACE PREPARATION PRODUCTS**

- \* Colossal 117-USL Urethane Self-Leveler
- \* Colossal 117-CSL Cementitious Self-Leveler
- \* Colossal 117-EMB Epoxy Moisture Barrier
- \* Colossal 117-MRS Moisture Resistant Smooth Skim



## **PRODUCT LIMITATIONS & SURFACE PREPARATION**

### *Colossal 117-EPS:*

\* Do not apply sealer on to a visibly damp or wet surface. Examine concrete sub floor for color, cleanliness, porosity and pre existing residues PRIOR to installation. Concrete sub floors must be checked for any contaminants and/or anti-adherents using the Laminin Epoxy Test Kit. Prior to installation, the sub floor must be checked according to applicable installation guidelines. It must be solid and sound, clean, free of chaps and anti-adherents, as well as resistant to pressure and tension.. Check for missing or compromised vapor barriers and hydrostatic pressure. Perform RH or CaCl moisture tests following ASTM standards. Results of 99% RH or 25# CaCl could indicate that there is a higher moisture content in the slab than what tests can measure, and there might be hydrostatic pressure and/or compromised or missing vapor barrier.

\* Sealer will not prevent moisture damage from hydrostatic pressure, missing or compromised vapor barriers, under-ground 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**

Lid contains hardener. Pierce all the way through plastic disc in the center of lid and the bottom of lid using a long screwdriver or similar tool. Let the hardener flow into the lower part of the bucket for one minute. All of the hardener must drain into the pail before mixing parts A and B. Open ring, remove the lid and mix both components with a mixing paddle for at least 3 minutes. Use an electric drill with less than 300 rpm until an even color is reached. Avoid air entrapment by mixing slowly and using an appropriate mixing paddle. Make sure to mix along wall and bottom of the container as well. Temperature of both components should be at least 50 degrees F before mixing.

### **INSTALLATION INSTRUCTIONS**

Mix pail according to mixing instructions. Empty the pail on to the floor immediately after mixing to prevent the product from heating up and drying in the pail. Apply sealer undiluted with an approved applicator. Make sure the sealer is spread evenly and up to the perimeters. The spread rate is critical for a successful installation. Do not exceed maximum coverage.

### **POST APPLICATION**

\* Dry time is approximately 2 hours

### **CLEAN UP PROCEDURES**

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

### **ADDITIONAL TECHNICAL INFORMATION**

Viscosity	400 cps
VOCs (Rule #1168 of California's SCAQMD)	< 0 g per L
Density	8.9 lbs. per U.S. gal.
pH Limit	14

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**ADDITIONAL TECHNICAL INFORMATION (Cont.)**

<b>Trowels Recommendations</b>	<b>Coverage</b>
<b>3/8" Nap Roller</b>	320 SqFt/Gal
<b>Pot Life</b>	Approximately 25 minutes @ 70 F°
<b>Dry Time</b>	Approximately 2 hours or until clear
<b>Application Temperature</b>	50-90 F°
<b>Application Relative Humidity</b>	30-80%
<b>Packing Size</b>	2-1/2 gal. Metal Combo Pail (A+B)

<b>Material Type</b>	2-part Epoxy Resin
<b>Shelf Life</b>	24 months in unopen container in a controlled in environment
<b>Color</b>	Part A: Clear, Part B: Yellow
<b>Mixing Ratio</b>	1 Parts A + 3 Part B by weight 3 Part A + 10 Part B by volume