



### **PRODUCT DESCRIPTION**

Colossal 117-PNP (Porous Non Porous Primer) is a low VOC, magenta colored, water based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on non-porous or porous substrates. Suitable for a wide variety of substrates, Colossal 117-PNP combines excellent versatility with easy, low odor application.

### **KEY FEATURES and BENEFITS**

- \* One component, versatile primer for multiple substrates
- \* Improves bonding of Laminin adhesives
- \* High spread rate
- \* Contains no solvents
- \* Spreads easily
- \* Freeze/Thaw stable
- \* Use under any flooring (wood, VCT, LVT, sheet vinyl, ceramic, etc.)

### **APPROVED SUBSTRATE TYPES**

- \* Properly bonded stone, tile and VCT
- \* Properly installed and sound Laminin surface preparation products
- \* Concrete slabs (porous and non-porous)
- \* Cured leveling compounds
- \* Ceramic Tiles
- \* Epoxy terrazzo, cement terrazzo, and poured epoxy flooring
- \* Dimensionally stable exterior grade plywood

### **APPROVED SURFACE PREPARATION PRODUCTS**

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

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## **PRODUCT LIMITATIONS & SURFACE PREPARATION**

### *Colossal 117 PNP:*

- \* Do not install over any substrates containing asbestos
- \* Substrate and ambient temperature must be between 50 to 90 degrees F
- \* In all cases, the surface temperature of the prepared concrete slab must be at least 5 degrees F (2,8 degrees C above the dew point to avoid all condensation on the concrete surface as Colossal 117-PNP dries
- \* For use only in dry, interior environments. Do not apply on wet substrates
- \* Use undiluted over moisture stable, exterior grade plywood
- \* Dilute the product for application over absorbent, porous substrates at a ratio of 1:1 to 2:1 (water to primer)
- \* Use undiluted over dense, non-absorbent surfaces, such as epoxy moisture barriers, floor covering adhesive residue, and ceramic tile and VCT
- \* Primer 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](http://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**

*Before product use, take appropriate safety precautions. Refer to the Laminin Safety Data sheet for details*

- \* Over non-absorbent surfaces and wood: Apply Colossal 117-PNP undiluted. (Add no water, no mixing is required)
- \* Over porous, absorbent surface (typically absorbent profiled concrete substrates): Dilute Colossal 117-PNP with water at a ratio of 1:1 to 2:1 (water to primer). Mix with water in a separate, clean container with low-speed mixer and paddle to homogeneous consistency. Do not mix at high speeds, which may cause product foaming
- \* Over gypsum substrates: Dilute at a ratio of 2:1 (water to primer). Mix as indicated in Step 1B and apply two coats is required by visual inspection.

## **INSTALLATION INSTRUCTIONS**

*Read all installation instructions thoroughly before installation:*

- \* Apply the product with a 3/8" nap roller. Ensure that the surface receives a complete, thin film of product
- \* Non-absorbent substrates and wood require only one coat of Colossal 117-PNP
- \* Absorbent and gypsum substrates may require more than one coat of diluted Colossal 117-PNP to seal off the substrate and prevent substrate outgassing.
- \* The underlayment can typically be applied within 2 to 5 hours. drying times will vary depending on the porosity of the surface, temperature, and humidity. The maximum wait from initial application is 24 hours.
- \* If the dried Colossal 117-PNP remains uncovered for more than 24 hours, re-apply a second, undiluted coat and install the underlayment within the correct application window. If the application window is missed again, remove the primer mechanically and start the installation on clean substrate.

## **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. Mineral spirits may be used to remove primer that has dried on tools

## **ADDITIONAL TECHNICAL INFORMATION**

|   |                        |
|---|------------------------|
| <b>Solids Content</b>                           | 43-45%                 |
| <b>VOCs (Rule #1168 of California's SCAQMD)</b> | 92g per L              |
| <b>Density</b>                                  | 8.9 lbs. per U.S. gal. |
| <b>pH Limit</b>                                 | 14                     |
| <b>Flash Point</b>                              | <212°F                 |



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**ADDITIONAL TECHNICAL INFORMATION (Cont.)**

| <b>Tool Recommendations</b>          | <b>Coverage</b>         |
|--------------------------------------|-------------------------|
| <b>3/8" Nap Roller</b>               | up to 200-400 Sq Ft/Gal |
| <b>Dry Time</b>                      | Approximately 2-5 Hours |
| <b>Application Temperature</b>       | 50-90 F°                |
| <b>Application Relative Humidity</b> | 30-80%                  |
| <b>Package Size</b>                  | 2 gallons               |

|                      |  |
|----------------------|--|
| <b>Material Type</b> | Acrylic  |
| <b>Shelf Life</b>    | 24 months in unopen container in a controlled in environment |
| <b>Color</b>         | Magenta  |
| <b>Mixing Ratio</b>  | 1:1 Primer to Water  |