



623 Chatsworth Hwy. 225

Calhoun, GA 30701

888.871.8877

lamininindustries.com

PRODUCT DESCRIPTION

Colossal 117-UFA9912 is a high moisture-resistant, heavy rolling load-resistant, aggressive, pressure sensitive adhesive with enhanced dimensional control properties designed to install a wide variety of resilient flooring types.

KEY FEATURES and BENEFITS

- * Resistant to heavy rolling loads
- * Resistant to high moisture
- * Suitable for radiant heat systems
- * Non-flammable
- * Freeze/ Thaw stable
- * Minimizes gaps in luxury vinyl tile and plank
- * Allows up to 6 hours of working time
- * Spreads easily
- * Strong green grab

APPROVED FLOORING TYPES

- * Vinyl tiles and planks (VCT, LVT, SVT, LVP, VET)
- * Bio-based tile
- * Solid vinyl sheet goods
- * Reground rubber underlayment
- * Fiberglass back vinyl sheet goods
- * Vinyl and Polyolefin backed carpet tile
- * Cork underlayment
- * Quartz tile

APPROVED SUBSTRATE TYPES

- * Concrete (at least 28 days old) installed according to ASTM F710-18
- * Concrete slabs
- * Plywood (Underlayment grade)
- * Cured Leveling compounds
- * Radiant heat systems that have been properly installed and operating at a surface temperature no higher than 85 degrees F
- * Properly installed and sound Laminin surface preparation products
- * Stained Concretes (well bonded)
- * Properly primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419

APPROVED SURFACE PREPARATION PRODUCTS

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

(Continued)



PRODUCT LIMITATIONS & SURFACE PREPARATION

Colossal 117-UFA9912:

- * Do not install over substrates containing asbestos
- * Do not dilute primer/sealer or mix with other products
- * Uncured underlayments, primers, sealers
- * Do not install into wet adhesive over non-porous substrates
- * Do not install when the relative humidity (RH) of the concrete slab exceeds 99% per ASTM F2170
- * Do not install unless the surface temperature of the substrate is 5 degrees F above the dew point
- * Do not install when the pH is 12 or greater
- * Do not apply over any adhesive residues, including cut back adhesive
- * Do not install when the moisture vapor emission rate (MVER) exceeds 15 lbs. per 1,000 sq ft./24 hrs. per ASTM F1869.
- * Use only when the substrate temperature is between 50 degrees F and 90 degrees F
- * Do not install in areas with known hydrostatic moisture problems

NOTE: High moisture-resistance capabilities do not apply to wet or semi-wet adhesive installations. In those cases, moisture limits revert back to 5 lbs. and 80% RH.

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.

(Continued)



MIXING INSTRUCTIONS

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

- * Ready to use, no mixing necessary

INSTALLATION INSTRUCTIONS

- * Select the appropriately notched trowel (Reference Trowel/Coverage chart below) and spread the adhesive evenly over the sub-floor, keeping the trowel at a 45 degree angle to the sub-floor.
- * On non-porous substrates, allow adhesive to remain open for 30 to 60 minutes or until it is dry to the touch, and then place the flooring.
- * On porous substrates, flooring can be installed into semi-wet adhesive. Or, allow the adhesive to remain open for 30 to 60 minutes until it is dry and does not transfer to the finger when touched.
- * Only apply as much adhesive as can be installed within 6 hours. Protect the open adhesive from dust and debris, which will inhibit proper bond and decrease tack. Roll flooring using a 75 lb. or 100 lb. roller.

POST APPLICATION

- * Protect the finished installation from light traffic for at least 6 hours and heavy traffic for at least 12 hours.
- * Building owners should become aware of the flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant to ensure the overall performance and long-term success of the installation.

CLEAN UP PROCEDURES

- * Clean adhesive smudges from the flooring surface and tools with water while the adhesive is fresh/wet

ADDITIONAL TECHNICAL INFORMATION

Solids content	50-55%
VOCs (Rule #1168 of California's SCAQMD)	< 60 g per L
Density	8.3 lbs. per U.S. gal.
Flash point (Tag)	> 201°F



623 Chatsworth Hwy. 225

Calhoun, GA 30701

888.871.8877

lamininindustries.com

Trowels Recommendations by Flooring Type	Trowel Size and Coverage
Luxury vinyl tile/plank, bio-based tile, vinyl enhanced tile, VCT and solid vinyl sheet flooring on porous substrates	1/16" x 1/16" x 1/16" Sq-Notch, up to 740 SqFt/4Gal
Luxury vinyl tile/plank, bio-based tile, vinyl enhanced tile, VCT and solid vinyl sheet flooring on nonporous substrates	1/16" x 1/32" x 1/32" U-Notch, up to 980 SqFt/4Gal
Vinyl-backed and polyolefin-backed car-pet tile, and fiberglass-reinforced sheet vinyl	1/16" x 1/32" x 1/32" U-Notch, up to 980 SqFt/4Gal 1/4" Nap Roller, up to 1400 SqFt/4gal
Traffic Restrictions	Approximately 6 hrs. for light traffic, 12 hrs. for heavy traffic
Application Temperature	50-90 F°
Application Relative Humidity	20-90%
Open Time (Varies by environment)	Up to 6 hrs., varies by environmental conditions

Adhesive Type	Acrylic latex, water based
Pot Life	N/A
Shelf Life	24 months in unopen container in a controlled in environment
Color	Off-white
Mixing Ratio	Ready to use