



COLOSSAL 117-HMA

ADHESIVE FOR RESILIENT & SPORT FLOORING INSTALLATION

PRODUCT DATA SHEET

623 Chatsworth HWY 225 Calhoun, GA 30701 888.871.8877 lamininindustries.com

PRODUCT DESCRIPTION

Colossal 117-HMA is a 2-part urethane adhesive suitable for indoor and outdoor installation of flooring as well as installation over concrete slabs with very high moisture content. Colossal 117-HMA has an extremely high shear strength, making it the perfect choice for areas with high or heavy traffic, rolling loads, and building entrances where high moisture is to be expected. There is no flash time required so installation can commence immediately. Colossal 117-HMA remains flexible throughout the seasons.

KEY FEATURES and BENEFITS

- * High strength moisture cured urethane
- * Contains no water
- * Contains no chlorinated solvents
- * Contains no solvents
- * Contains no VOCs (calculated per CA Rule 1168)
- * Nonflammable
- * Strong green grab
- * Resistant against aging
- * Laminin Moisture Defense system component
- * Suitable for radiant heat systems
- * Adhesive is waterproof when cured
- * No health hazards
- * Spreads easily
- * Wet lay - No flash time required
- * Freeze/ Thaw stable

APPROVED FLOOR TYPES

- * Vinyl Tiles and Planks (VCT, LVT, SVT, LVP, VET)
- * Rubber Flooring
- * Wall/ Cove base
- * Cork Flooring
- * Sports Flooring
- * Linoleum
- * Carpet (felt, fiber, jute, woven vinyl)
- * Underlayment
- * Synthetic Turf
- * Sheet Vinyl (structured or rubber back)

APPROVED SUBSTRATE TYPES

- * Wet Concrete Slab up to 25#/ 25 hours/ 1000 SF and 100% RH
- * Concrete Slab
- * Plywood (underlayment grade)
- * Felt-backed Sheet Vinyl
- * Stone, Terrazzo
- * Cured Leveling Compounds
- * Stained Concretes (well bonded)
- * Seaming Tape
- * Rubber Flooring
- * OSB (underlayment grade)
- * Metal Floors
- * Ceramic Tiles
- * Asphalt
- * Epoxy Sealers (100% solid, cured)
- * Radiant Heated Sub Floors

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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

PRODUCT LIMITATIONS & SURFACE PREPARATION

Colossal 117 HMA is NOT approved for use with/over:

- * Polyolefin/ Polyethylen/ Polypropylen-backed Flooring
- * Uncured underlayments, primers, sealers

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 is achieved.

INSTALLATION INSTRUCTIONS

Spread the adhesive with the appropriate notched trowel. Avoid excessive adhesive thickness by passing the trowel evenly through the adhesive at a 45-degree angle. Observe the appropriate flash time (if applicable). Lay the flooring into the adhesive, correctly position it and press down firmly. Be sure to check the back of the flooring to make certain good adhesive transfer from sub floor to flooring achieved. Roll flooring approximately 15 - 30 minutes after installation with a 75 - 100# roller if recommended by the flooring manufacturer. Push down raised edges approximately 30 - 60 minutes after installation.

ADDITIONAL TECHNICAL INFORMATION

Trowels Recommendations by Flooring Type	Trowel Size and Coverage
Flat Backed Material (LVT, LVP, etc.)	1/16" x 1/16" x 1/16" V-Notch, up to 170 SqFt/Gal
Embossed Backed Material (Vinyl Sheet, Linoleum)	1/8" x 1/8" x 1/16" V-Notch, up to 90 SqFt/Gal
Sports Flooring (Rubber Tile, Rubber Sheet, Crumb Rubber)	3/32" x 3/32" x 3/32", V-Notch, up to 130 SqFt/Gal
Traffic Restrictions	Approximately 12 hours for normal traffic
Application Temperature	32-100 F°
Application Relative Humidity	20-90%
Open Time (Varies by environment)	60-90 minutes
Pot Life	Approximately 45 minutes @ 70F°
Shelf Life	24 months in unopened container in a controlled environment
Color (Mixed)	Beige
Mixing Ratio	7:1 Part A to Part B by weight