



COLOSSAL 117-HMA ADHESIVE FOR RESILIENT & SPORT FLOORING INSTALLATION

PRODUCT DATA SHEET

623 Chatsworth Hwy 225

Calhoun, GA 30701

706.403.3286

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.

PRE-INSTALLATION CHECKLIST

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 sub floor moisture content, design, layout and application of flooring materials. All slab constructions must meet the specific requirements of the floor covering to be installed.

SUB-FLOOR EXAMINATION

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.

SUB-FLOOR PREPARATION

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 cleaner is recommended. Cracks and gaps must be filled with concrete crack filler unless they are expansion joints. Level when necessary to 3/16 inches within 10 feet. Heated sub floors must be primed.

MIXING OF COMPONENTS

Pour part B completely into part A. Thoroughly mix the two components with an electric mixer for at least 3 minutes or until a uniform mixture and color is achieved.

INSTALLATION PROCEDURE

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 is achieved. Roll flooring approx. 15-30 min after installation with a 75-100# roller if recommended by the flooring manufacturer. Push down raised edges approx. 30-60 min after installation.

LIMITATIONS

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 adhesive can withstand any amount of moisture, it does not qualify as a moisture inhibitor. Please see below for recommended sealers if a moisture barrier is required. In case of accident, injury, spill or exposure, see SDS sheet for information. 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 sales associate.



COLOSSAL 117-HMA ADHESIVE FOR RESILIENT & SPORT FLOORING INSTALLATION PRODUCT DATA SHEET

623 Chatsworth Hwy 225

Calhoun, GA 30701

706.383.8462

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GENERAL FEATURES

- Contains no water
- Contains no chlorinated solvents
- Contains no solvents
- Contains no VOC (calc. per CA Rule 1168)
- Certified "green"
- Certified "very low emission"
- Nonflammable
- High solids content
- Ozone friendly
- High strength moisture cured urethane
- Freeze/thaw stable

INSTALLATION FEATURES

- Wet lay - no flash time required
- Strong green grab
- Non-slump formula
- Bridges normal sub floor variations
- Very low odor
- Excellent spread rate
- Spreads easily
- Higher temp will shorten drying time
- Observe pot life during installation
- Cleans with urethane cleaner

LONG-TERM FEATURES

- Resistant against aging
- Suitable for radiant heat systems
- Adhesive is waterproof when cured
- No health hazards

APPROVED FLOORING

- Synthetic Turf
- Sports Flooring
- Sheet Vinyl (structured or rubber back)
- Vinyl Tiles and Planks (VCT, LVT, SVT, LVP, VET)
- Rubber Flooring
- Linoleum
- Carpet (felt, fiber, jute, woven vinyl)
- Wall/Cove base
- Rubber Flooring
- Underlayments
- Cork Flooring
- NOT approved: Polyolefin / Polyethylen / Polypropylen-backed Flooring

APPROVED SUB FLOORS

- Concrete Slabs
- OSB (underlayment grade)
- Plywood (underlayment grade)
- Felt-backed Sheet Vinyl (well bonded, sanded, asbestos-free)
- Ceramic Tiles
- Stone, Terrazzo
- Cured Leveling Compounds
- Radiant Heated Sub Floors
- Seaming Tape
- Metal Floors
- Asphalt
- Wet Concrete Slab up to 25# / 24hrs / 1,000SF and 100% RH
- Epoxy Sealers (100% solid, cured)
- Stained Concretes (well bonded)

APPROVED PRIMERS

- Primer is normally not required
- Colossal 117-EPS Primer and Sealer

APPROVED SEALERS

- Sealer is normally not required
- Colossal 117- EMB Epoxy Moisture Barrier

APPROVED LEVELERS AND PATCHES

- Colossal 117-USL Urethane Self-Leveler
- Colossal 117- CSL Cementitious Self-Leveler
- Colossal 117-MRS Moisture Resistant Smooth Skim

APPROVED TROWELS AND SPREAD RATE

- Flat-backed Material-#1 (1/16" x 1/16" x 1/16" V notch) up to 170 SF/gal.
- Rough-backed Material-#2 (1/8" x 1/8" x 1/16" V notch) up to 90 SF/gal.
- Trowel #4 (outdoor on rough surface): up to 50 SF/gal.
- Recommended Run Length: 160 LF/unit (glue 9" wide)
- Sports Flooring-#15 (3/32"x3/32"x3/32") up to 130 SF/gal.

CURE TIME UNTIL NORMAL TRAFFIC

- Approx. 12 hours

TEMPERATURE RANGE DURING INSTALLATION

- 32°-100°F

RELATIVE HUMIDITY RANGE DURING INSTALLATION

- 20% - 90%

COLOR

- Beige

COLOR HARDENER

- Brown

MIXING RATIO

- 7 Parts A + 1 Part B by weight

POT LIFE

- Approx. 45 min @ 70 °F (21 °C)

SHELF LIFE

- 24 Months in original, unopened container

SHEAR STRENGTH

- 1000 psi (6.9 N/mm²) after 7 days

Open Time	30% R/H	50% R/H	80% R/H
50°F/10°C	90 min.	90 min.	90 min.
70°F/21°C	75 min.	75 min.	75 min.
90°F/32°C	60 min.	60 min.	60 min.