



COLOSSAL 117-MRS MOISTURE RESISTANT SMOOTH SKIM

PRODUCT DATA SHEET

623 Chatsworth Hwy 225

Calhoun, GA 30701

706.403.3286

lamininindustries.com

PRODUCT DESCRIPTION

Colossal 117-MRS Moisture Resistant Smooth Skim is a high quality, cement-based compound designed to skim coat, smooth and level irregularities from feather edge up to ½" (12 mm). Rapidly sets to install most floorings in as little as 15-20 minutes, with exceptional performance. Colossal 117-MRS has superior bond strength. For most applications, the use of a primer is not required. Excellent for use over most substrates and provides a suitable surface for even the most demanding floorings, such as VCT, sheet vinyl, etc.

Key Features and Benefits

- Self-drying
- Fast setting - install flooring in as soon as 15-20 minutes
- Featheredge up to ½" (12 mm)
- Sandable
- Contributes to LEED® project points
- VOC 0

Coverage

Coverages shown are approximate. Actual coverages may vary according to substrate conditions and thickness of applications.

Application Depth	Approximate Coverage per 10 lbs. (4.54 kg)
1/8" (3 mm)	30-36 sq. ft.(2.8-3.3 m ²)
1/4" (6 mm)	15-18 sq. ft.(1.4-1.7 m ²)
1/2" (12 mm)	7.5-9 sq. ft. (0.7-0.8 m ²)
Embossing	300-500 sq. ft.(27.9-46.5 m ²)

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete
- Cement backerboards
- Concrete terrazzo
- Ceramic tile, pavers, brick*
- Quarry tile
- Epoxy terrazzo
- Exterior grade plywood, C-C (plugged) or better
- Exterior grade lauan plywood—Type I Trademarked Exterior Grade, OVL, CC, BB.OVL face grades only (Note: Lauan plywood is an unacceptable substrate for installation of resilient, ceramic or marble tile)
- Vinyl composition tile (VCT), embossed resilient floor coverings —must be bonded well to an approved substrate and be single layer.*
- Adhesive residue (except tacky or pressure-sensitive adhesive)*
- Gypsum substrates[†] - minimum tensile bond strength 72 psi (0.5 MPa)
- Prime substrate with a Multipurpose Primer[†]Requires priming with a Multipurpose Primer.

Substrate Preparation

Before application, make sure that all surfaces are structurally sound, dry and free from any oil, grease, dust, loose or peeling paint, sealers, floor finishes, curing compounds or any contaminant that would inhibit or prevent a solid bond. Concrete and cementitious substrates must be fully cured and free of any hydrostatic pressure and excessive moisture (RH 95% or lower). Any protrusions on the surface must be removed by sanding, scraping or chipping. Vacuum all dust before application. DO NOT cover existing building expansion or control joints.

Storage

Store away from direct sunlight in a well-ventilated, cool, dry area. After opening, remove all air from container and seal tightly.

Shelf Life

Max. of 1 year from date of manufacture in unopened package.

Limitations

- For interior use only.
- Not for use in conditions with hydrostatic pressure or excessive moisture.
- Do not use as a wear surface or to patch over sealed concrete, tempered hardboard, particle board, strip wood flooring, over heavily cushioned flooring or perimeter bonded flooring.
- Do not apply when the temperature is below 50°F (10°C).

TECHNICAL DATA

Physical Properties

Colossal 117-MRS Moisture Resistant Smooth Skim

Description	
Physical State	Dry powder
Color	Gray
Compressive Strength (ASTM C109)	3600 psi (24.6 MPa)
Pot Life	15-20 minutes
Install Flooring **	15-60 minutes
Storage	Store away from direct sunlight in a well-ventilated, cool, dry area. After opening, remove all air from container and seal tightly.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.

**Flooring installation after application is dependent on thickness, drying conditions, and type of flooring.

INSTALLATION INSTRUCTIONS

Mixing

Mix only as much Colossal 117-MRS Moisture Resistant Smooth Skim that can be used in a 15-20 minute time period. USE IMMEDIATELY after mixing. Add the bag of Colossal 117-MRS slowly into 21 4-2½ quarts (2.13-2.37 L) of clean, cool water while mixing at a low speed (not exceeding 300 rpm to prevent entraining air). For smaller amounts, use a mixing ratio of 2 parts powder to 1 part water. Mix thoroughly to a smooth, lump free consistency. Do not over-water.



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Application

After mixing, immediately work Colossal 117-MRS into the void to be filled with a flat, steel trowel and finish to a level surface with the required smoothness. This product has a 15 to 20 minute working time depending on the temperature. Working time is shortened with high temperatures. Any repairs greater than ½" (12 mm) in thickness will require two applications. Allow the first application to set before applying the second. Do not exceed a total thickness of 1" (25 mm) of Colossal 117-MRS. Do not overwork the product.

Curing

Colossal 117-MRS Moisture Resistant Smooth Skim is ultra-fast drying and can tolerate foot traffic and installation of most floor covering materials in as little as 15-20 minutes and up to 60 minutes, depending on thickness and substrate.

Clean-up

While material is still fresh, wash hands, tools and equipment with warm, soapy water.

WARRANTY

For warranty details, contact your Laminin sales associate.

MAINTENANCE

Not applicable

FILING SYSTEM

Divisions 3 and 9