



COLOSSAL 117 - RVA9511 ROLLABLE VINYL ADHESIVE

95%RH, 11pH

PRODUCT DATA SHEET

623 Chatsworth Hwy 225

Calhoun, GA 30701

706.403.3286

lamininindustries.com

PRODUCT DESCRIPTION

Colossal 117-RVA9511 Rollable Vinyl Adhesive allows you ease of use to roll through flooring installations fast and effectively. This breakthrough, user-friendly adhesive is ideal for vinyl tile, vinyl plank, vinyl composition tile and solid vinyl sheet goods. Ideal for heavy rolling loads (hospital beds, furniture, etc.). This unique formulation dries quickly, has excellent resistance to moisture and alkali, provides a long open time, is easy to clean up and low-odor.



Key Features and Benefits

- Ideal for LVT, LVP, VCT, and solid vinyl heterogeneous or homogeneous sheetgoods
- Underlayments including reground rubber and cork
- Resists adhesive displacement and disbonding under heavy rolling loads (hospital beds, furniture, etc.)
- Roller-applied adhesive allows installer to roll the adhesive onto the substrate efficiently
- Fast drying; accepts flooring as soon as 10-15 minutes
- Extended open time (6-8 hours)
- Adhesive allows for flooring adjustment until rolled or walked on
- Heat weld after 60 minutes
- Moisture resistant up to 95% RH / 10 lbs. MVER*
- Solvent free and low VOC (VOC <1 g/L)
- LEED® Compliant and CRI Green Label Plus Certified

*Over newly poured concrete, with declining moisture values, and an intact vapor barrier beneath the slab.

Coverage

Coverage will vary with the absorption rate (porosity) and surface profile of the substrate. With just one coat of RVA9511 Rollable Vinyl Adhesive, you can lay down the amount of adhesive needed for the specific vinyl flooring being installed. Figures below are presented only as guidelines.

Recommended Roller Size	Approximate Coverage
1/4" Nap	350-450 ft²/US Gallon (35,6-37,2 m²/3,78 L)
3/8" Nap*	300-350 ft²/US Gallon (28-35,6 m²/3,78 L)

* For stiff, heavy vinyl flooring a 3/8" Nap Roller may be required (for more information contact Technical Services).

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete (all grade levels)
- Underlayment grade plywood
- Gypsum substrates (properly prepared)
- Well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring

Substrate Preparation

Floor must be clean, smooth, dry, and free of any foreign matter that would interfere with a good bond. Existing adhesive must be removed by mechanical means, such as shot blasting or scarification. Be sure to use proper safety equipment for hazardous materials as old cutback adhesive may contain asbestos. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Consult all applicable government agencies for rules and regulations concerning the removal of floorings and adhesives that contain asbestos. Do not use solvents or liquid adhesive removers. Fill all cracks and depressions with a suitable cement-based floor patch and/ or underlayment. Best practices for cleaning typically include vacuuming and damp mopping.

Moisture Test: Concrete moisture testing must be performed in accordance with ASTM F2170 with levels not to exceed 95% and/ or ASTM F1869 with levels not to exceed 10 lbs./1000 ft²/24 hrs. (4.54 kg/93 m² /24 hrs.) for newly poured concrete, with declining moisture values, and an intact vapor barrier beneath the slab.

For concrete with a prior history of uncorrected moisture conditions or problems involving higher moisture levels, treat the concrete with a moisture mitigation solution.

Alkalinity Test: Concrete alkalinity testing must be performed in accordance with ASTM F710. A pH range of 7-11 is satisfactory for this adhesive. Confirm the acceptable range for the flooring per the manufacturer's guidelines. A reading outside of either range requires corrective measures before flooring installation. Always follow flooring manufacturer's guidelines for acceptable levels of alkalinity for the vinyl flooring.

Porosity Test: Substrate porosity testing must be performed in accordance with ASTM F3191. First prepare the substrate to a clean, sound condition, free of any matter that would interfere with a good bond. To test porosity, place a drop of water on the substrate surface in several places; if the water is absorbed into the surface in less than 10 seconds, a primer application is mandatory before the application of adhesive because the substrate is very porous. Follow PDS instructions for the primer application, then follow the specific adhesive installation instructions listed below.

Storage

Store at a moderate room temperature. Protect adhesive from freezing. Refer to the Technical Data section of this PDS, for more information.

Shelf Life

Maximum of 1 year from date of manufacture in unopened container.

Limitations

- Although adhesive may be used when ambient or surface temperatures are between 60°F-90°F (16°C-32°C), always follow flooring manufacturer's temperature, acclimation and installation guidelines for the vinyl flooring being installed.
- Always protect newly-installed vinyl flooring from heavy traffic, rolling loads, appliance or furniture placement for 24 hours after flooring installation.
- Do not use with fiberglass-backed vinyl sheetgoods, nor directly over peel and stick tile.
- Not recommended for use with felt-backed or mineral-backed vinyl sheetgoods, linoleum or rubber.
- Not for use in areas subject to flooding or water immersion.
- Do not use in coolers, freezers or seasonally used buildings subject to temperature or humidity extremes.
- Not recommended for use on stairs or vertical surfaces.
- May be used over in-floor heating systems, with a maximum floor temperature of 85°F, if allowed by the flooring manufacturer.
- Not for exterior use. Interior use only.

TECHNICAL DATA

Physical Properties

RVA9511 Roller-Applied Vinyl Flooring Adhesive	
Description	
Base	Polymer latex
Physical State	Thin paste
Color	Off white
Open Time	6-8 hours depending on substrate porosity
Weight per Gallon	8.7 lbs/gallon
VOC/Liter of Material	<1 gram (calculated)
Freeze/Thaw Stability	Stable for 3 cycles at 10°F (-12°C)
Storage	For optimal shelf life, store at a moderate room temperature, in closed containers, and protect this adhesive from freezing. If frozen, allow to return to room temperature slowly and stir before use. Avoid prolonged or repeated freeze thaw cycles.
Shelf Life	Maximum of 1 year from date of manufacture, in unopened container.



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INSTALLATION INSTRUCTIONS

Application

1. Thoroughly read installation instructions on this Product Data Sheet (PDS), read the Safety Data Sheet (SDS), and read vinyl flooring manufacturer instructions regarding conditioning the vinyl flooring, prior to installation.
2. Substrate must be clean, dry, and free of dust, grease, paints, oils, or any other foreign material. Refer to complete instructions in Substrate Preparation section noted above.
3. No mixing required, just pour to use.
4. As an option, when installing flooring where finished baseboards, door casings, cabinets or other "obstacles" are already in place, apply this adhesive adjacent to these types of finished areas first, using a deck paint pad applicator, as described in Steps 5 through 7 below. For application in areas where finishes are not yet in place, you can opt to skip directly to Step 8.
5. (Optional-see Step 4 above) Pour out a small pool of adhesive (approximately 6" to 9" in diameter) and use it to saturate the deck paint pad applicator.
6. Pour a continuous 1" (25 mm) wide bead of adhesive 1" to 3" (25-76 mm) away from any finished wall or "obstacle".
7. Spread the bead of adhesive up to the finished wall or "obstacle" using the saturated deck paint pad applicator, similar to a painting "cut in" procedure around areas that are not to be painted.
8. For application in an open floor area, use a 1/4" (6mm) nap paint roller. A 3/8" (9mm) nap roller may be required for stiffer, heavier vinyl flooring. Before applying this adhesive, separately pour out enough adhesive to fully saturate the roller; saturate the roller by rolling through this small pool of adhesive.
9. Pour an initial continuous 1" (25 mm) wide bead of adhesive onto the substrate, approximately 12" (30 cm) from any wall or barrier. Then pour additional 1" (25 mm) wide bead lines of adhesive across the subfloor area every 30" (76 cm)—only pour out enough bead lines for an area that you expect to roll out in 15 minutes.
10. Spread a continuous single coat of the adhesive over the substrate using the saturated roller, by running the roller side to side through each continuous adhesive bead, 15" (37 cm) to each side of the poured bead. Keep the roller saturated throughout the adhesive application.
11. After application of the adhesive, vinyl flooring installation can begin when the adhesive becomes clear and does not transfer to fingertips when lightly touched (10-15 minutes under normal conditions). The open time to accept flooring is 6-8 hours. Refer to vinyl flooring manufacturer's instructions, to install the flooring.
12. Once the vinyl flooring is installed, it must be rolled in both directions with a 100-150 pound three-section roller. Use a small hand roller in areas that cannot be reached with a large roller. Foot traffic is acceptable immediately after rolling is completed.
13. Rolling loads, appliance or furniture placement for 24 hours after flooring installation.
14. Heat welding may be performed after 60 minutes.

Clean-up

Easy clean-up. Remove wet adhesive with a damp cloth. Remove dried adhesive using a cloth dampened with denatured alcohol.

WARRANTY

For warranty details, contact your Laminin sales associate.

MAINTENANCE

Not applicable

FILING SYSTEM

Division 9