



**North American**  
**ADHESIVES®**

# Multi Lock™ Plus

## Professional Multipurpose Flooring Adhesive



### PRODUCT DESCRIPTION

*Multi Lock Plus* is a medium-solid, latex-based flooring adhesive with excellent bond and aging characteristics. *Multi Lock Plus* will provide a tough, rubbery bond line that has superior tack and outstanding rebond characteristics. Its formulation has been specifically crafted to provide ample working time for carpets with patterns as well as for the positioning of felt-backed vinyl sheet flooring.

### FEATURES AND BENEFITS

- Ready to use; no mixing required
- Mid-range solids level for a more durable bond
- Extended working time
- Great tack and rebond characteristics
- Low-odor formula for use in occupied buildings
- Nonstaining to felt-backed vinyl sheet flooring

### USES

- Approved for:
  - Carpets: jute, polypropylene (ActionBac®), urethane foam back, sponge rubber, latex foam and KangaBACK
  - Resilient floor coverings: felt-backed vinyl sheet goods
- For interior residential (rental apartments, condominiums and homes)
- For interior light commercial (general office areas, hotel rooms and small retail stores)

### SUBSTRATE REQUIREMENTS

All substrates must be structurally sound, dry, solid and stable. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth. Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

### SUITABLE SUBSTRATES (properly prepared)

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per flooring manufacturer's recommendations)
- Concrete and properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Embossing levelers applied over existing, properly prepared and fully bonded ceramic tile and sheet vinyl
- A single layer of properly prepared, fully bonded vinyl composition tile (VCT)
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

### LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Do not use to install nonporous floor coverings over nonporous surfaces.
- Do not use to install solid vinyl flooring products.
- Do not use to install vinyl-backed carpet products.
- Do not apply over any adhesive residues, including cutback adhesive.
- Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity of concrete slabs exceeds 80% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).



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## MIXING

Consult the Safety Data Sheet for safe-handling instructions.

- Ready to use; no mixing is necessary.

## APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see the "Approximate Coverage" chart).
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
4. Allow adhesive to flash 0 to 15 minutes before installing flooring.
5. Install flooring per the flooring manufacturer's instructions. Do not apply more adhesive than can be installed within 15 to 35 minutes.
6. Roll the flooring immediately with the recommended-weight roller across the width and length of the flooring surface.

## CLEANUP

- Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some flooring materials.
- Clean tools with water while the adhesive is still fresh/wet. Clean with mineral spirits once dried.

## PROTECTION

- After installation, protect from light traffic for 24 hours and from heavy traffic for 72 hours.
- Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

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Product Characteristics	
Color	Light tan
Packaging	Pail: 4 U.S. gals. (15,1 L)
VOCs (Rule #1168 of California's SCAQMD)	36 g per L
VOCs (Section 01350 of California's CDPH)	Passed
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Polymer type	SBR emulsion solution
Percent solids	63% to 66%
pH	9 to 10
Trowelability	Light
Density	9 lbs. per U.S. gal. (+/- 0.4); 1.1 g per mL (+/- 0.05)
Consistency	Buttery
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point (Tag)	> 212°F (100°C)
Protect from traffic	24 hours for light traffic; 72 hours for heavy traffic

Application Characteristics		
	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
Carpet and felt-backed vinyl sheet flooring	0 to 15 minutes	15 to 35 minutes

<sup>†</sup> *Flash time: The amount of time recommended for the adhesive to remain exposed to air following application before the installation of floor covering.*

<sup>††</sup> *Working time: The maximum amount of time that an adhesive can remain exposed to air and still effectively bond to the floor covering.*

Note: Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Approximate Coverage*		
Flooring Type	Typical Trowel	Coverage
Felt-backed vinyl sheet flooring	1/16" x 1/16" x 1/16" (1,5 x 1,5 x 1,5 mm)	125 to 185 sq. ft. per U.S. gal. (3,06 to 4,53 m <sup>2</sup> per L)
Smooth-backed carpet	1/8" x 1/8" x 1/16" (3 x 3 x 1,5 mm)	65 to 85 sq. ft. per U.S. gal. (1,59 to 2,08 m <sup>2</sup> per L)
Rough-backed carpet	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm)	85 to 95 sq. ft. per U.S. gal. (2,08 to 2,33 m <sup>2</sup> per L)

\* *Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.*

Industry Standards and Approvals	
CRI #104, Standard for Installation of Commercial Carpet	
CRI #105, Standard for Installation of Residential Carpet	
LEED v4 Points Contribution	LEED Points
Health Product Declaration (HPD)**	Up to 2 points
Additional Green Certifications	
CRI Green Label Plus #GLP00530. Refer to the CRI's Website at <a href="http://www.carpet-rug.org">www.carpet-rug.org</a> for additional information.	

\*\* *Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.*



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Refer to the Safety Data Sheet for specific data related to health and safety as well as product handling. For the most current product data and warranty information, visit [www.na-adhesives.com](http://www.na-adhesives.com).

PR: 8605 MKT: 17-2237

## LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the NAA product installation. For the most up-to-date TDS and warranty information, visit our Website at [www.na-adhesives.com](http://www.na-adhesives.com). **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED NAA WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**