



**North American**  
**ADHESIVES®**

# Multi Lock™ Pro

## Contractor-Grade Multipurpose Adhesive



### PRODUCT DESCRIPTION

*Multi Lock Pro* is a medium-solids, latex-based adhesive with good bond strength and rebond characteristics. *Multi Lock Pro* dries to a flexible, rubbery bond line with good tack. Light in color, *Multi Lock Pro* is a good choice for the installation of basic carpet types and felt-backed vinyl sheet flooring in residential and light commercial applications. *Multi Lock Pro* is ideally suited for flooring installations that may need removal within 2 to 3 years, such as installations in rental properties as well as main-street commercial and retail outlets.

### FEATURES AND BENEFITS

- Strong bond and rebond
- Nonstaining
- Quick leg development and good working time
- Low-odor formula for use in occupied buildings
- Ready to use; no mixing required

### USES

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

### SUBSTRATE REQUIREMENTS

All substrates must be properly prepared, 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.

### SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per flooring manufacturer recommendations)
- Concrete (at least 28 days old) installed according to ASTM F710-18
- Cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Embossing levelers applied over existing and fully bonded ceramic tile and sheet vinyl
- A single layer of fully bonded vinyl composition tile (VCT)
- 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 (RH) of the concrete slab exceeds 80% (ASTM F2170).
- Do not install in areas with known hydrostatic moisture problems.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient RH is between 20% and 80%.
- Do not install unless the temperature of the prepared concrete slab is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point to avoid condensation.



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## MIXING

Before product use, take appropriate safety precautions. 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. For porous substrates, allow adhesive to flash 0 to 15 minutes before installing flooring; install the flooring material into the adhesive while it is still wet. Over nonporous substrates, allow 20 minutes of drying time for the adhesive to tack up before placing flooring material.
5. Install flooring per the flooring manufacturer’s instructions.
  - For felt-backed vinyl sheet flooring installations: Do not apply more adhesive than can be installed within 15 to 35 minutes.
  - For carpet installations: Do not apply more adhesive than can be installed within 30 to 45 minutes.
6. Periodically confirm the adhesive transfer to the backing by lifting the flooring material.
7. 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 tools with water while the adhesive is still fresh/wet.
- Clean with mineral spirits once the adhesive has dried. Use caution with mineral spirits, which may be harmful to some materials.

## PROTECTION

- 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)	Maximum < 50 g per L
Typical VOC content per SCAQMD Rule 1168 testing methods	18 g per L
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Polymer type	Styrene butadiene latex
Percent solids	65% to 68%
pH	9 to 10
Consistency	Buttery
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point (Tag closed cup) – ASTM D56	> 212°F (100°C)

Application Characteristics		
Substrate	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
Porous	0 to 15 minutes	15 to 35 minutes
Nonporous	20 to 30 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. Over nonporous substrates, increase the flash time to 20 minutes.*

<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), square-notch	125 to 185 sq. ft. per U.S. gal. (3.06 to 4.53 m <sup>2</sup> per L)
Textured-backed carpet	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm), V-notch	85 to 95 sq. ft. per U.S. gal. (2.08 to 2.33 m <sup>2</sup> per L)
Rough-backed carpet and carpet to pad in double-stick installations	1/8" x 1/8" x 1/16" (3 x 3 x 1.5 mm), U-notch	65 to 85 sq. ft. per U.S. gal. (1.59 to 2.08 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



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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).

For information on sustainability and transparency, as well as product certification programs, contact Technical Services at 1-800-637-7753.

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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.**

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