

# NA 8900



**North American**  
**ADHESIVES®**

## Premium 4-in-1, Solid Wood-Flooring Adhesive



GOOD

BETTER

BEST

### PRODUCT DESCRIPTION

NA 8900 is a premium single-component, hybrid-polymer-based wood-flooring adhesive that is formulated without water, solvents, amines, isocyanates, phthalate plasticizers or epoxy resins, and with an extremely low emission level of volatile organic compounds. NA 8900 provides all the bond security of a urethane wood-flooring adhesive but is easier to clean from the surface of prefinished flooring. It also provides excellent sound-reduction properties that are required for multi-unit housing. In addition, NA 8900 protects wood flooring from subfloor moisture emissions coming through concrete slabs, as well as isolating cracks up to 1/8" (3 mm) from showing through to the surface of the installation.

### USES

- For installing all sizes of glue-down engineered wood flooring
- For installing glue-down solid wood planks
- For installing parquet wood flooring
- For installing bamboo flooring
- For installing cork underlayments

### SUBSTRATE REQUIREMENTS

All substrates must be structurally sound, dry, solid, stable, level and flat. The substrate should be clean and free of dust, dirt, oil, grease, paint, curing compounds, concrete sealers, loosely bonded toppings, old adhesive residues (including black cutback adhesive residue) and any other substance that may prevent or reduce adhesion. If the substrate contains these substances, they must be mechanically removed.

### SUITABLE SUBSTRATES

- Concrete and properly prepared cement terrazzo
- Existing and properly prepared ceramic tile
- Exterior-approved cement-based patching compounds

### LIMITATIONS

- For interior installations only
- Do not install when the moisture vapor emission rate (MVER) exceeds 15 lbs. per 1,000 sq. ft. (6,80 kg per 92,9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the relative humidity is below 65%.

### APPLICATION

Read all installation instructions thoroughly before installation. Wear all appropriate personal safety equipment during use. Refer to Material Safety Data Sheet (MSDS) for more information.

1. Remove special clip-on trowel from underneath the NA 8900 bucket lid and attach to a standard 11" (28 cm) trowel.

### TECHNICAL QUICK REFERENCE

**Product characteristics** at 73°F (23°C) and 40% relative humidity

Polymer type	Hybrid polymer
Percent solids	100%
VOCs	8 g/L
Odor	Light mint
Color	White
Shelf life	1 year when stored in original packaging at 73°F (23°C)
Storage conditions	50°F to 90°F (10°C to 32°C)
Flash point (Tag)	> 200°F (93°C)
Packaging	4 U.S. gals. (15,1 L)

### Product Characteristics over Porous and Nonporous Substrates

At 73°F (23°C) and 50% humidity

Flash Time*	Working Time**	Adjustability Time***
0 minutes	45 to 60 minutes	2 to 3 hours

\* *Flash time:* Amount of time recommended for the adhesive to remain exposed to the air following application before the installation of floor covering.

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

\*\*\* *Adjustability time:* The window of time when adjustments can still be made to the position of the floor covering without compromising the bond of the adhesive.

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

### TYPICAL TROWEL AND APPROXIMATE COVERAGE†

per 4 U.S. gals. (15,1 L) for all wood and bamboo flooring types

**V-Notch with lift spacers** (attached under the NA 8900 bucket lid)

For wood flooring with thickness of > 3/8" (10 mm) and < 3/4" (19 mm)

5/16" x 3/16" x 3/8" x 1/16" 120 to 160 sq. ft.  
(8 x 4,5 x 10 x 1,5 mm) (11,1 to 14,9 m<sup>2</sup>)



For wood flooring with thickness of < 3/8" (10 mm)

1/8" x 1/8" x 1/8" x 1/16" 140 to 160 sq. ft.  
(3 x 3 x 3 x 1,5 mm) (11,2 to 14,88 m<sup>2</sup>)



† *Trowel dimensions are depth/width/spacelift. Coverages shown are for estimating purposes only. Actual jobsite coverages may vary according to substrate conditions, type of trowel used and setting practices.*

### HEALTH AND SAFETY

Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

2. Using the trowel's flat side, key NA 8900 into the subfloor to create a smooth, void-free surface.
3. Once the adhesive has been keyed in, immediately spread NA 8900 using the special clip-on trowel attachment. Trowel ridge lines should be perpendicular to the wood-flooring installation direction. Hold the trowel at a 60° to 90° angle to the subfloor, making sure that the subfloor is covered 100% with adhesive and that no void spots appear other than the "valley bottoms" created by the trowel. These areas will fill in as the wood is installed.

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4. Only apply as much as can be installed within 45 minutes.
5. Install wood flooring in strict accordance with flooring manufacturer's written instructions.
6. Install flooring immediately, pressing firmly into the adhesive bed to ensure that all ridges are compressed into a monolithic layer. Periodically check for 100% coverage over the subfloor and the transfer to the back of the flooring.
7. Keep gloves clean. Make every effort to prevent adhesive from getting onto the flooring surface. Remove adhesive smudges immediately. To remove excess NA 8900 residue, rub gently and then lightly wipe with a white cloth.
8. Clean tools while the adhesive is still fresh/wet using NA 8550 urethane adhesive cleaner.
9. After each use, cover unused portion of adhesive completely with dense, nonporous plastic film and secure the lid tightly. Store in a dry area at room temperature (73°F [23°C]).

Note: Use a fresh clip-on trowel attachment for each bucket of NA 8900 used. Do not reuse trowel. Proper coverage is paramount for warranty coverage.

## PROTECTION

- Protect from light traffic for at least 12 hours. Protect from heavy traffic for at least 24 hours.
- Building owners should be advised of the wood-flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation.

## IMPORTANT NOTICE

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **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.**

For the most current product data, visit [www.na-adhesives.com](http://www.na-adhesives.com).



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