



North American
ADHESIVES®

Timber Bond™ E

Water-Based, Engineered Wood-Flooring Adhesive



PRODUCT DESCRIPTION

Timber Bond E is a professional-grade, high-tack, high-solids wood-flooring adhesive specifically designed for the installation of traditional engineered wood floors. Use for the installation of engineered wood plank, acrylic impregnated plank and wood parquet.

FEATURES AND BENEFITS

- Approved for use with engineered wood flooring up to 5" (12,5 cm) in width; parquet; acrylic impregnated wood and laminated plank; and cork underlayment
- Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding
- High-solids formulation
- Cleans up with soap and water
- Excellent working time and rebond characteristics

USES

- Interior residential (rental apartments, condominiums and homes)
- Interior commercial (office buildings, hotel rooms and hallways, and restaurant dining areas)

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 agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. Surface variation is not to exceed 3/16" in a 10-foot span (4,5 mm in a 3,05-m span) nor 3/32" in a 12-foot span (2,5 mm in a 3,66-m span). Refer to wood-flooring manufacturer's guidelines. Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems. Concrete slabs exceeding 3 lbs. (1,36 kg) MVER or 75% RH should be treated with a moisture vapor reduction product. Refer to Technical Data Sheets at www.na-adhesives.com for information on these

products. Use a moisture meter to check the RH of the wood flooring, surface of the substrate, and general jobsite area. Follow flooring manufacturer's guidelines. Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

SUITABLE SUBSTRATES (properly prepared)

- Exterior-grade plywood and other approved wood underlayments (per flooring manufacturer's recommendations)
- Concrete and properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419
- Radiant-heat systems that have been properly installed

See the "Surface Preparation for Wood-Flooring Installations" document from North American Adhesives at www.na-adhesives.com.

LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Not recommended for flooring designed for nail-down installations only
- Do not install in areas not recommended by the wood-flooring manufacturer.
- Do not apply over any adhesive residues, including cutback adhesive.
- Do not install when the moisture vapor emission rate (MVER) exceeds 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m²) 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 75% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).



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- Do not use to install solid hardwood or bamboo flooring.
- Do not use to install plank widths that are greater than 5" (12,7 cm).

MIXING

Consult the Safety Data Sheet for safe-handling instructions.

- Ready to use; no mixing is necessary.

APPLICATION

Refer to the wood-flooring manufacturer's guidelines for acclimation requirements and complete installation instructions.

1. Select the appropriately notched trowel (see the "Approximate Coverage" section).
2. Spread adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
3. Only apply as much as can be installed within 45 to 60 minutes.
4. Install wood flooring in strict accordance with flooring manufacturer's written instructions.

CLEANUP

- Clean adhesive smudges from the surface of the wood flooring with water while the adhesive is fresh/wet. Use mineral spirits when dry.
- Clean tools with soap and water while the adhesive is still fresh/wet. Use mineral spirits when dry.

PROTECTION

- Protect from light traffic for at least 24 hours. Protect from heavy traffic for at least 72 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.
- Protect containers from freezing in transit and storage. If frozen, material should not be stirred until it has completely thawed. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.



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Product Characteristics	
Color	Tan
Packaging	Plastic pail: 4 U.S. gals. (15,1 L)
Polymer type	Latex
Percent solids	78% to 82%
VOCs (Rule #1168 of SCAQMD)	91 g per L
VOCs (Section 01350 of California's CDPH)	Passed
Odor	Slight latex
Shelf life	2 years 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)

Application Table			
Application Characteristics over Porous and Nonporous Substrates			
Engineered Wood Flooring	Flash Time [†]	Working Time ^{††}	Adjustment Time ^{†††}
At 73°F (23°C) and 50% humidity	10 to 15 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.

^{†††} Adjustment time: The window of time during which adjustments can still be made to the position of the floor covering without compromising the bond of the adhesive.

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

Approximate Coverage*		
Flooring Type	Typical Trowel	Coverage
Cork underlayment	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 ² per L)
Finger-block parquet	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm), square-notch	70 to 80 sq. ft. per U.S. gal. (1,71 to 1,96 m ² per L)
Engineered wood flooring < 1/2" (12 mm) thick	3/16" x 5/32" (4,5 x 4 mm), V-notch	45 to 55 sq. ft. per U.S. gal. (1,10 to 1,35 m ² per L)
Engineered wood flooring 1/2" to 5/8" (12 to 16 mm) thick	1/8" x 1/4" x 1/4" (3 x 6 x 6 mm), square-notch	40 to 50 sq. ft. per U.S. gal. (0,98 to 1,22 m ² per L)

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

Industry Standards and Approvals	
LEED v4 Points Contribution	LEED Points
Health Product Declaration (HPD)**	Up to 2 points
Additional Green Certifications	
CRI Green Label Plus #GLP00527. Refer to the CRI's Website at www.carpet-rug.org 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.

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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. **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.**