



Wood-Tack™

WOOD FLOORING ADHESIVE

TECHNICAL DATA SHEET 05/08/2025

SMART ADVANTAGES

- Rapid Tacking
- Fast installation on above-grade applications
- Exceptionally easy to trowel

DESCRIPTION

Wood-Tack™ is an adhesive for engineered, solid, and select bamboo hardwood flooring installations. This air-curing, self-crosslinking adhesive is exceptionally easy to trowel, and its rapid tacking properties allow for fast installation of wood flooring materials. Wood-Tack is a low VOC, low odor adhesive that does not contain any solvents or heavy metals. This adhesive provides exceptional bond strength between the wood flooring and substrate.

HIGHLY VERSATILE

Wood-Tack will bond engineered, solid, and select bamboo wood flooring to a variety of substrates. It may be used over all properly prepared substrates common to hardwood flooring installations: concrete (on and above grade), plywood, cement backer board, gypsum underlayment (dry, above grade, and primed using Universal Primer™ Pro), cement patch/underlayments, and radiant-heat flooring.

LEED CONTRIBUTION AND OTHER CERTIFICATIONS

Wood-Tack's™ low-VOC formulation (as calculated per SCAQMD Rule 1168) may contribute toward LEED® v4 IEQ Credit - Low-Emitting Materials for Interior Adhesives & Sealants. In addition, this unique formulation is FloorScore® Certified and meets the requirements for Indoor Air Quality (per CA Section 01350).

DIRECTIONS FOR USE

Read and understand the Technical Data Sheet completely before beginning installation. Follow industry standards, as well as the flooring manufacturer's recommendations for acclimation, design, layout and application of wood flooring material. If jobsite conditions are outside the flooring manufacturer's recommendations, take necessary corrective actions. Test whether the moisture content of substrate is within the flooring manufacturer's recommendation. If the measured moisture content is too high, follow the instructions found in Surface Preparation - "Moisture and pH Testing."



SURFACE PREPARATION

Surfaces must be absorptive, clean, and free from loose materials, oil, grease, sealers and/or curing compounds, waxes, silicates, laitance, and all other surface contaminants that may inhibit proper bond. Completely remove cutback adhesive residue or other surface contaminants by diamond grinding to open the pores of the concrete. All surfaces to be treated must have a concrete surface profile (CSP) of 1 - 3 (similar to a broomed finish), as defined by ICRI (International Concrete Repair Institute, Guideline No. 03732). Maximum acceptable floor variation is 3/16" in 10 feet. Areas requiring patching or leveling must be done using a Portland cement-based material (e.g., Bostik Webcrete® 95, Webcrete® 98, SL-Rapid™, SL-100™, SL-150™, SL-175™, SL-200™ or UltraFinish™ Pro).

PLEASE NOTE: Concrete substrate should NOT be smooth and reflective; it must be tested in accordance with ASTM F3191 and be found porous, where a .05 mL (1/4" diameter) drop of water must absorb into the concrete within 1 minute.

Moisture and pH Testing: When installing Wood-Tack directly to concrete, it should be tested, per ASTM 2170, for moisture and pH to ensure the substrate is within the recommended values. Identify potential problematic areas and take appropriate action to address concerns. If results indicate further moisture concerns,

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install a moisture vapor barrier (e.g., Bostik's Slab-Cote™ or D-250™) prior to flooring installation. Refer to the technical data sheet for this product for proper application instructions.

INSTALLATION

Bond Test: It is recommended to conduct a bond test before the entire flooring installation occurs. To perform the bond test, choose a 2' x 2' region representative of the substrate and install the adhesive and subsequent floor covering using the methods described in this Technical Data Sheet. Allow 24 hours for the area to cure before examining for potential problems. The floor covering should be tightly bonded to the substrate and remain dimensionally stable according to its initial installation.

The installation begins with a starter row secured to the subfloor; the starter row provides a stationary point to push against so flooring doesn't move during installation. Once the starter row is secured, apply adhesive/membrane to substrate using the appropriate trowel. Refer to the "Adhesive Installation Method" chart for proper trowel selection. **Flooring installation may begin after the appropriate flash time (refer to the "Adhesive Installation Method" or "Chemical & Physical Properties" chart for details).** Periodically lift boards immediately after installation to ensure proper slab coverage and transfer to the back of the flooring. Adhesive that has cured too much prior to installation of the flooring must be mechanically removed and fresh adhesive applied. After a few rows have been installed, and as you move across the room, tape the boards together using removable 3M #2080 blue tape to prevent boards from sliding and to secure close-fitting joints. Rolling with a 75–100 pound smooth roller is recommended for most installations. For some sensitive factory-applied finishes, such as oil-based finishes, tape, and rolling may not be recommended. Test to ensure that tape removal after rolling does not harm finish. Flooring that is not flat should be weighted or rolled to ensure proper contact between the flooring and substrate.

PLEASE NOTE: When working with water-based adhesives, it is very important to monitor and adjust the interior air temperature, relative humidity, and substrate temperature to ensure that the adhesive performs as anticipated. The following conditions should be monitored and maintained 48 hours prior, during, and 48 hours after the installation is complete: an interior air temperature between 65°F and 85°F (18°C and 29°C), a relative humidity between 40% and 65%, and a substrate temperature at least 5°F (3°C) ABOVE the Dew Point.

CLEANUP

Before Wood-Tack has completely cured, remove excess adhesive with a non-abrasive wet, soapy towel, taking care not to damage the finish. Clean all tools and equipment in similar fashion before the adhesive cures. Should Wood-Tack cure prior to cleaning, the use of a solvent cleaner may be required.

Trowel Cleanup Tip: Before use, cover areas of the trowel that are not used to spread the adhesive with duct tape or blue tape. After use, simply tear off tape before materials cures, and clean the remainder of the trowel with a wet, soapy towel.

STORAGE/SHELF LIFE

Store at temperatures between 50°F and 100°F (10°C and 38°C). Shelf life is two years from the date of manufacturing, when kept closed and in original packaging. Do not allow Wood-Tack to freeze.

LIMITATIONS

- **Do not use Wood-Tack in below-grade applications.**
- On-grade substrates must have appropriate vapor barrier.
- (6 mil poly or better) properly installed below slab.
- Do not install engineered, solid, or bamboo flooring over
- VCT/vinyl.
- **Bamboo installations should follow solid hardwood flooring installation recommendations.**
- **Bamboo flooring types are limited to: horizontal or vertical, minimum 3 ply, and widths of 4" or less.**
- For solid and approved bamboo 1/2" thick or less, flooring cannot exceed 3" in width. For solid and approved bamboo >1/2" thick, flooring cannot exceed 4" in width.
- Slab temperature should be between 50°F and 85°F (10°C and 29°C) during installation.
- Warped, twisted or planks with visible defects should not be installed. Follow the manufacturers installation instructions for appropriate floor plank selection.
- All substrate types must be a minimum of 5°F (3°C) higher than the dew point.
- Wood substrates should test less than 12% using a wood moisture meter.
- Do not use on wet, dusty, contaminated, glassy, smooth or friable substrates; do not use over substrates/slabs treated with sealers and/or curing compounds.
- Do not use in areas subject to hydrostatic head.
- Do not use over perimeter bonded flooring material.
- Completely remove all adhesive residue and other surface contaminants from the slab by diamond grinding, shot blasting, or scarifying.
- Use over gypsum-based/underlayments is limited to dry, "above-grade" installations where the gypsum has been properly primed (using Universal Primer™ Pro), dried hard (not dusty/powdery), and has a minimum compressive strength >2,000 psi for engineered hardwood installations, or minimum compressive strength >2,500 psi for solid hardwood installations.
- Please refer to flooring manufacturer's recommendations and NWFAs specifications for proper acclimation, verification of moisture content of flooring with a moisture meter, and expansion relief around perimeter throughout installation.
- Do not use vinyl-backed cork flooring or foamed backed parquet.
- This adhesive does NOT reduce/affect moisture-vapor emissions.
- This adhesive does NOT eliminate moisture-related or install-related issues (i.e. improper acclimation of flooring, jobsite temperature/relative humidity, etc.).

PACKAGING

Available in 4 gallon pails, 48 pails/pallet.

CAUTION

IRRITANT. MAY IRRITATE EYES, SKIN OR RESPIRATORY TRACT.
CONTENTS MAY BE HARMFUL IF SWALLOWED OR INHALED.

Do not get in eyes, on skin or on clothing. Do not breathe fumes.
Use with adequate ventilation. Wash thoroughly after handling.
Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

KEEP OUT OF REACH OF CHILDREN

FIRST AID TREATMENT

Contains rosin, quartz silica and vinyl acetate. If in eyes or on skin, rinse with water for at least 15 minutes. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

Chemical Emergency: 800-424-9300 (USA),
703-527-3887 (International)

Medical Emergency: 866-767-5089

VOC: 12 g/L (as calculated per SCAQMD 1168)

ADHESIVE INSTALLATION METHOD

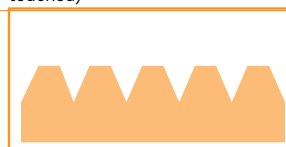
Suggested Trowel and Flash Times for Various Flooring Materials

Engineered flooring (all thicknesses & widths), Solid & approved bamboo flooring (>1/2" - 3/4" thick; up to 4" wide)
Coverage: 50 - 60 sq.ft./gallon
Flash Time: 10 - 20 minutes

Solid and approved bamboo flooring 1/2" thick or less (up to 3" wide)
Coverage: 75 - 85 sq.ft./gallon
Flash Time: at least 20 minutes (no adhesive transfer when lightly touched)



3/16" x 1/4" x 1/2"



3/16" x 1/4" x 5/16"

CHEMICAL & PHYSICAL PROPERTIES

Chemical Properties	Chemistry Type	Water-based
	Adhesive Type	Self-Crosslinking
	Solvent Free	Yes
	Flash Point	>212°F
Use Environments	Residential	Yes
	Offices/Light Commercial	Yes
	Heavy Commercial/Retail	No
	Hospital/Healthcare	No
	Industrial	No
	Exterior	No
	Wet Areas	No
Substrates	Concrete (above grade)	Yes
	Concrete (on grade)	Yes
	Concrete (below grade)	No
	Concrete Board	Yes
	Concrete Patch/SLU	Yes
	Gypsum Underlayment*	Yes
	Plywood	Yes
	Bostik Epoxy Moisture Vapor Barriers (Slab-Cote™ & D-250™)	Yes
	OSB	No
	Ceramic Tile	No
	Terrazzo	No
	Well-Bonded Vinyl/VCT	No
Flooring Types	Engineered Hardwood	Yes
	Solid Hardwood	Yes
	Bamboo (Vertical or horizontal, minimum of 3 ply)	Yes***
	Parquet	Yes***
	Bamboo (Stranded and/or Woven)	No
	Cork	Yes
	Recycled Rubber Underlayment	Yes
	Ceramic Tile, Marble, Stone Inlays	No
	Application Method	Trowel
	Ease of Application	Exceptionally Easy
Application Properties	Odor	Mild
	Required Flash Time	10-20 minutes
	Open/Working Time	60 minutes
	Color	Beige/Tan
	Density (lbs./gallon)	10.2
	Wet Lay	Yes
	Walk-on-work Prior to Cure	No
	Percent of Adhesive Coverage & Transfer Required	
	Engineered Hardwood	>80%
	Solid/Bamboo Hardwood	>95%
	Application Temperature	65-85°F
	Shelf Life	2 years
	Ease of Cleanability (Wet)	Very Easy
	Ease of Cleanability (Cured)	Moderate
	Dry Time: Light Traffic	24 hours
	Dry Time: Normal Traffic	48 hours
	Dry Time: Sand and Finish	72 hours
Cured Physical Properties	Concrete Moisture Vapor Limits (applies to all flooring types)	ASTM 1869 Calcium Chloride Method: ≤3 lbs/1000 SF/24 hrs ASTM 2170 Relative Humidity Test: ≤75% RH
	Concrete pH Limits	8-9
	LEED® v4 Contribution	EQ - Low-Emitting Materials for Interior Adhesives & Sealants Up to 3 Points**

*Dry, above grade, and primed with Universal Primer™ Pro.

**Per LEED® v4 BD+C rating system, taking into account all other interior adhesives & sealants applied on site.

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