



Basic Bond™

WOOD FLOORING ADHESIVE

KEY FEATURES

- Easy spread
- Low VOC
- Bridges cracks before or after installation

DESCRIPTION

Bostik's Basic Bond™ Wood Flooring Adhesive is a single component urethane adhesive that is trowel applied. Basic Bond™'s elastomeric characteristics allow the adhesive to move with the wood as it expands and contracts over the life of the floor. Basic Bond™ may be used to adhere all dimensionally stable engineered hardwood flooring designed and recommended in writing by the hardwood flooring manufacturer for glue-down applications. This adhesive can also be used to install plywood as described.

Bostik's Basic Bond™ may be used over all properly prepared substrates common to hardwood flooring installations, including: concrete, plywood, OSB, well-bonded vinyl and ceramic tile, gypsum patch/underlayments (dry, above grade), cement patch/underlayments, radiant-heat flooring, and terrazzo.

DIRECTIONS FOR USE

Read and understand data sheet completely before beginning installation. Follow industry standards and wood flooring manufacturer's recommendations for design, layout and application of wood flooring material.

SURFACE PREPARATION

Surfaces must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers and all other surface contaminants.

Completely remove any adhesive residue or surface contamination by diamond grinding, shot blasting or scarifying. When diamond grinding, shot blasting or scarifying, the resulting surface texture must be similar to light broom finished concrete. Maximum acceptable floor variation is 3/16" in 10 feet. Areas requiring patching or leveling must be done using a Portland cement-based material.

PLEASE NOTE: Concrete substrate should **NOT** be smooth and reflective; it must have a concrete surface profile of CSP 1-3 (similar to a broomed finish), as defined by ICRI (International Concrete Repair Institute, Guideline No. 03732). It is advisable to test for adequate



substrate absorption and texture in several areas throughout the jobsite by sprinkling droplets of water onto the slab. The drops of water should show signs of penetrating the substrate within one minute. This is evidenced by a water stain on the concrete without a "domed" droplet. If no signs of water penetration are shown within one minute and "domed" droplets remain (similar to drops on a car hood) the substrate will need to be mechanically textured.

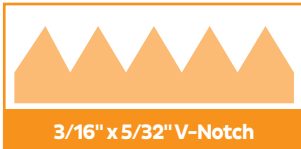
INSTALLATION

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 to substrate with suitable trowel. Flooring may be installed using a "wet-lay" method of installation. For "wet-lay" installations, spread the adhesive and begin to install the flooring immediately. As you work, immediately clean any adhesive from prefinished flooring with Bostik's Ultimate™ Adhesive Remover or mineral spirits (be careful not to harm finish), then dry buff with a non-abrasive paper towel. 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 is recommended for all installations. Flooring that is not flat should be tacked, weighted, or rolled to ensure proper contact between the flooring and substrate.

ADHESIVE ONLY INSTALLATION METHOD

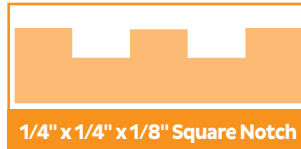
Suggested Notched Trowel

Engineered hardwood flooring ≤1/2" thick.
Coverage: 50 sq.ft./gallon



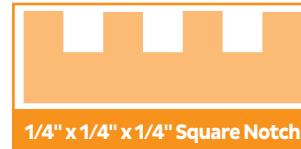
3/16" x 5/32" V-Notch

Engineered hardwood flooring >1/2" thick.
Coverage: 40 sq.ft./gallon



1/4" x 1/4" x 1/8" Square Notch

Plywood.
Coverage: 35 sq.ft./gallon



1/4" x 1/4" x 1/4" Square Notch

Trowel size is suggested to maximize coverage of adhesive. Periodically check coverage of adhesive during installation: >80% coverage and transfer to the back of the flooring is required for all engineered wood flooring.

PLYWOOD OVER CONCRETE: Score 4' x 4' sheets of 3/4" exterior-grade plywood on the backside every 8" to 10" by using a circular saw and cutting one-half the thickness of the plywood; "scoring or kerfing" takes the tension out of the plywood and helps to prevent possible warping or curling. Apply adhesive to substrate and then set plywood into the wet adhesive. Allow the adhesive to fully cure before nailing strips or using Bostik Basic Bond™ to install flooring.

CURE TIME

Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure. Under normal conditions, light foot traffic is acceptable after 10 to 12 hours; normal traffic after 24 hours.

CLEAN UP

As you work, immediately clean any adhesive from prefinished flooring with Bostik's Ultimate™ Adhesive Remover or mineral spirits (be careful not to harm finish), then dry buff with a non-abrasive paper towel. Immediately clean all tools and equipment with mineral spirits before material cures.

TROWEL CLEAN-UP TIP: Before use, cover areas of the trowel that are not used to spread the adhesive with duct tape.

After use, simply tear off tape before material cures, and clean the remainder of the trowel with adhesive remover.

STORAGE/SHELF LIFE

Store at temperatures between 50°F and 100°F (10°C to 38°C). Shelf life is one year from date of manufacturing in closed, original packaging.

Re-Seal Partially Used Container: With pail upright place a sheet of plastic (e.g., trash bag) over the top of the pail.

Secure lid tightly over the plastic on top of pail. Carefully turn pail upside down. Plastic will help prevent the material from bonding the lid closed.

Re-Open Partially Used Container: Carefully turn pail right side up. Remove lid. Carefully cut and discard cured material and plastic from top of pail. Any uncured material may be used.

LIMITATIONS

- For use with dimensionally stable engineered hardwood only.
- Not for use with bamboo or solid hardwood.
- Periodically check coverage of adhesive and transfer to the boards during installation.

- For substrates with any history of moisture problems, or for concrete slabs exceeding 3 lb MVER or 75% RH, use a high performance moisture vapor reduction product such as Bostik's WoodGrip™ Advanced.
- On- or below-grade substrates must have appropriate vapor barrier (6 mil poly or better) properly installed below slab.
- Slab temperature should be between 50°F and 95°F (10°C and 35°C) during installation.
- Do not use on wet, dusty, contaminated, glassy smooth or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds.
- Completely remove all adhesive residue and other surface contaminants by diamond grinding, shot blasting, or scarifying.
- Do not use over perimeter bonded flooring material.
- Use over gypsum-based/underlayment is limited to dry, "above-grade" installations where the gypsum has dried hard (not dusty/powdery), with a minimum compressive strength >2,000 psi.
- 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 with vinyl-backed cork flooring or foamed-backed parquet.
- Do not use in areas subject to hydrostatic head.
- Do not use Bostik's Basic Bond™ as a moisture vapor membrane.
- This membrane does **NOT** reduce/affect issues originating from the sides, ends, or top of flooring (ie. puddles, water, leaks, hydrostatic-head, etc.).
- This membrane 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 (36 pails/pallet).

OPEN TIME CHART

Temperature		Humidity		
		40%	60%	80%
60° F (16° C)	Tack	2 Hours	1.6 Hours	1.3 Hours
	Open	3.8 Hours	3.5 Hours	3.2 Hours
70° F (21° C)	Tack	1.6 Hours	1.3 Hours	1 Hour
	Open	2.8 Hours	2.5 Hours	2.2 Hours
80° F (27° C)	Tack	1.3 Hours	1 Hour	0.6 Hour
	Open	2.3 Hours	2 Hours	1.7 Hours

NOTE: This chart is for reference only; actual jobsite times may vary.

CAUTION

IRRITANT. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. MAY IRRITATE EYES, SKIN AND LUNGS. Contains a potential skin and lung sensitizer. May cause allergic respiratory tract or skin reaction, including dermatitis. Do not swallow. Do not get in eyes, on skin or on clothing. Do not breathe fumes. Use only in a well ventilated area or wear a mask. Keep away from flames or sparks. Store in a cool 60-80°F (15-30°C), dry, well-ventilated area away from heat, ignition sources and direct sunlight.

KEEP OUT OF REACH OF CHILDREN

WARNING

This product contains a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

FIRST AID TREATMENT

Contains Petroleum Resins, Diisodecyl Phthalate (DIDP), Methylene Diphenyl Isocyanate (MDI) and Quartz Silica inextricably bound in a polymer matrix. If in eyes or on skin, rinse with water for at least 15 minutes. If on clothes, remove clothes. If breathed in, move person to fresh air. 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

LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us or call 800.726.7845. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Residential	Yes
	Offices/Light Commercial	Yes
	Heavy Commercial	No
	Hospital	No
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	Plywood	Yes
	OSB	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Ceramic Tile	Yes
	Gypsum Underlayments ¹	Yes
	Cement Patch/Underlayment	Yes
Flooring Types	Solid Hardwood	No
	Engineered Hardwood	Yes
	Bamboo	No
	Cork	No
	Parquet	No
	Plywood	Yes
	Ceramic Tile, Marble, Stone Inlays ²	No
Cured Physical Properties	Cure Time ³	
	Light foot traffic	10 to 12 hours
	Normal foot traffic	24 hours
	Concrete Moisture Vapor Limits for subfloor moisture vapor protection:	
	ASTM 1869 Calcium Chloride Method	3 lbs/1000 ft ² /24 hrs
	ASTM 2179 Relative Humidity Test	≤ 75% RH
	Elongation	>180%
	Service Temperature	-40°F to 150°F (-40°C to 66°C)
Chemical Properties	Odor	Mild
	Open/Working Time ⁴	180 min
	Color	Tan
	Density (lbs/gallon)	13.8
	Percentage of Water ⁵	0%
	Percentage of Adhesive Coverage Required:	>85%
	Application Temperature	50°F to 100°F (10°C to 38°C)
	Chemistry Type	1-Part Urethane
	Adhesive Type	Moisture Cure
	VOC Compliant (calculated per SCAQMD Rule 1168)	Yes (85 g/L)
Flash Point, closed cup	145°F (63°C)	

¹ Dry, above grade

² Residential or light commercial only

³ Humidity affects cure to a greater degree than temperature; the higher the humidity, the faster the cure. Under normal conditions, light foot traffic is acceptable after 8 to 10 hours; normal traffic after 24 hours.

⁴ Please refer to the Open/Working Time Chart.

⁵ Per ASTM E203-01 Standard Test Method for water using Volumetric Karl Fischer Titration Method. Results rounded to the nearest tenth. Test Method has error range of +/- 0.2%.

BOSTIK HOTLINE

Smart help
1-800-726-7845

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