



P R O D U C T I N F O R M A T I O N

## BOSTIK'S BEST Wood Flooring Urethane Adhesive

Does Not Contain Water or Chlorinated Solvents • V.O.C. Compliant • Ozone Friendly

### Product Description

Bostik's Best is a one-part, trowel-applied, moisture-cure, waterproof adhesive. Once cured, its superior elastomeric properties provide a tough, flexible, tenacious bond to a variety of surfaces. Bostik's Best elastomeric characteristics allow the adhesive to move with wood as it expands and contracts. This scientifically formulated adhesive is not affected by exposure to moisture or water. Bostik's Best contains no chlorinated solvents or ozone depleting chemicals, and complies with all current state and federal regulations for Volatile Organic Compounds (V.O.C. Compliant).

### Features & Benefits

- contains no water
- high solids content results in greater adhesive coverage
- set with Wet-Lay or Walk-On-Work method of installation
- V.O.C. Compliant
- nonflammable
- Flame Spread Index of 25 when tested in accordance with ASTM E-84
- contains no Chlorinated Solvents
- tacky consistency holds down laminates with normal bow, and bridges minor subfloor variations
- ozone friendly
- tenacious bond
- remains elastomeric; moves with expanding/contracting wood
- low odor
- waterproof adhesive
- for use in above, on, and below grade installations
- freeze/thaw stable
- may be shipped by air freight
- offers vapor-retarding characteristics to wood flooring installations (see Chemical & Physical Properties section)

### Product Uses

Bostik's Best adheres to 3-ply or 5-ply engineered plank, acrylic impregnated, solid plank-flat milled, shorts, plywood and parquet wood flooring. This adhesive can also be used to install ceramic tile, marble and stone inlays for light commercial and residential applications.

Because Bostik's Best is a waterproof adhesive, it offers some vapor-retarding characteristics to wood flooring installations. Use Bostik's Best over all substrates common to hardwood flooring installations including: concrete, plywood, particle or chip board (underlayment grade), well bonded vinyl, ceramic tile, cement backer board, gypsum patch/underlayments (dry, above grade), cement patch/underlayments, radiant heat flooring, cutback residue (refer to Limitations), and terrazzo.

### CHEMICAL & PHYSICAL PROPERTIES

V.O.C. Compliant	102 grams/liter.
ASTM-E96 Value	.6 grams psm-24 hr-mm Hg.
Initial Tack Time*	Begins about 1 hour and will remain tacky for an additional 2 hours at 70°F and 40% relative humidity.
Open Time*	About 3 hours at 70°F and 40% relative humidity.
Application Temperature	50°F to 100°F.
Service Temperature	Range is -40°F to 150°F.
Cure Time	Higher humidity and temperature will accelerate cure. Under normal conditions, light-foot traffic is acceptable after 8 to 10 hours, normal traffic after 24 hours.
Flammability	Based on ASTM E-84 tests: Flame Spread Index is 25.
Flash Point	142°F, closed cup.
Viscosity	220,000 cps.
Odor	Mild/not easily detectable.
Color	Amber.
Weight	12.66 lbs. per gallon.
Peel Adhesion (dry)	
(a) to plywood	20 piw
(b) to concrete	25 piw
Peel Adhesion (wet)	
(a) to plywood	18 piw
(b) to concrete	22 piw
Tensile & Elongation	
(a) Modulus at 25%	> 150 psi
(b) Elongation at break	125%
Shear Strength to Concrete	
(a) 3/4" plywood	> 250 psi
(b) 5/16" oak parquet	> 250 psi
(c) 3/4" oak shorts	> 250 psi

\*Refer to Temperature/Humidity Chart on back.



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Wood Flooring  
Urethane Adhesive

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## LIMITATIONS

- This adhesive will not prevent moisture-related damage to wood flooring installations.
- Humidity affects characteristics of adhesive to a greater degree than temperature. The higher the humidity, the faster the cure.
- Slab temperature should be between 50°F and 100°F during installation.
- Do not use on wet, contaminated, or friable substrates.
- Below-grade installations are limited to engineered plank and foam divided parquet (this is due to limitations in solid wood flooring i.e. lack of dimensional stability).
- Do not use in areas subject to hydrostatic head.
- Do not use over concrete treated with sealers or curing compounds.
- Do not allow light-foot traffic until fully cured; usually 8 to 12 hours.
- Do not use as a leveling material.
- Use as an adhesive for ceramic tile, marble or granite inlays is limited to light commercial or residential applications.
- Do not install solid wood over cutback residue.
- If there are any moisture-related concerns, completely remove cutback adhesive residue by sandblasting, shotblasting or scarifying.

## INSTALLATION

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

**SURFACE PREPARATION:** Surfaces must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers and all other surface contaminants. If there are any moisture-related concerns, or if solid wood is being installed, completely remove cutback adhesive residue by sandblasting, shotblasting or scarifying. When sandblasting, shotblasting or scarifying, surface texture must be similar to light broom finished concrete. The Blastrac shotblasting method of surface preparation utilizing BT #1, BT #2 or BT #3 (.017" to .028" diameter) shot is recommended. Maximum acceptable floor variation is 1/8" in 10 feet. Surface areas requiring patching or leveling should be done using a portland cement based material (contact Bostik Findley's Technical Service Department for recommendations).

As you work, immediately clean any adhesive on pre-finished flooring with a soft cloth and mineral spirits. (Be careful not to harm finish).

If adhesive is cold, place pail in either a warm area or bucket of warm water to improve workability.

## APPLICATION

Ensure starter rows are firmly in place by wedging or face nailing. Once initial rows are secure, use adhesive in a Wet-Lay or Walk-On-Work method of installation.

**WET-LAY METHOD:** Apply adhesive to substrate with suitable trowel. Immediately place flooring onto "wet" adhesive.

**WALK-ON-WORK METHOD:** Apply adhesive to substrate with suitable trowel and allow it to develop tack (refer to Temperature/Humidity Chart). Install flooring onto "tacky" adhesive.

As you work, immediately clean any adhesive from prefinished flooring with a soft cloth and mineral spirits. (Be careful not to harm finish.)

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 the substrate.

**Where Plywood Substrate Over Concrete is Required:** Using a 1/4" x 1/4" square-notched trowel to apply adhesive, set 4' x 4' sheets of 3/4" exterior grade plywood into wet adhesive. Score plywood sheets on the backside every 8" to 10" by using a circular saw and cutting one half the thickness of the sheets. Scoring or "kerfing" takes the tension out of plywood and helps prevent possible warping or curling. Allow to fully cure before nailing strip or using Bostik's Best in a Wet-Lay or Work-On-Work method of installation.

## CLEAN UP

Once cured this is the most tenacious adhesive known to the hardwood industry. Immediately clean any adhesive on pre-finished flooring with Bostik® Ultimate Adhesive Remover or a soft towel and mineral spirits. (Be careful not to harm finish.) Do not allow mineral spirits to sit on hardwood surface. Clean tools and equipment with mineral spirits before adhesive cures. Wear rubber gloves when using adhesive. Removal of cured adhesive from pre-finished flooring, skin, tools and equipment is extremely difficult. Use Bostik® Ultimate Adhesive Remover for removal of cured adhesive on the skin.

**TROWEL CLEAN-UP TIP:** Before use, cover areas of trowel that are not used to spread adhesive with clear packaging or gray duct tape. After use, simply tear off tape before material cures. Clean remainder of trowel with Bostik® Ultimate Adhesive Remover or mineral spirits.

## CURING

Keep from light-foot traffic until adhesive is fully cured; usually 8 to 12 hours.

## STORAGE/SHELF LIFE

Store in a clean, dry, warm area to ensure ease of application. Shelf life is one year from the date of manufacturing.

## TO RE-SEAL PARTIALLY USED CONTAINERS

Close Container:

- Cover opened pail with 2 pieces of plastic.
- Secure lid tightly to pail.
- Carefully turn pail upside down (the 2 pieces of plastic act as "bond breakers" preventing the adhesive from bonding the lid shut).

Re-Open Container:

- Carefully turn pail right-side-up.
- Remove lid.
- Carefully cut and discard cured adhesive and plastic from top of pail.
- Any uncured material may be used.

## PACKAGING

Bostik's Best is available in three sizes:

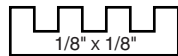
Size	Qty/Pallet	Wt/Pallet
16-30 fl. oz. soft cartridges	45 cases/pallet	2,070 lbs.
1 gallon (3.8 liters)—4/case	45 cases/pallet	2,350 lbs.
2.06 gallon (7.8 liters)	64/pallet	1,700 lbs.
5.15 gallon (19.5 liters)	27/pallet	1,790 lbs.

For the name of a distributor nearest you, contact a Bostik Customer Service Representative at 888/592-8558

## TECHNICAL SERVICE

For additional technical information, contact Bostik's Technical Service Department at 1-978-750-7356 or 1-800-523-6530.

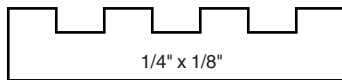
## SUGGESTED NOTCHED TROWEL FOR MAXIMUM PERFORMANCE



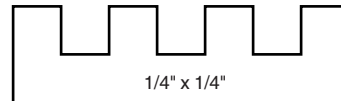
1/8" x 1/8" Square Notch  
Finger Block Parquet  
Coverage: 80 sq. ft. per Gallon



3/16" x 5/32" V Notch  
3 ply and 5 ply Engineered Plank  
Coverage: 50 sq. ft. per Gallon



1/4" x 1/8" Square Notch  
>1/2" Engineered Plank & 3/4" Parquet  
Coverage: 40 sq. ft. per Gallon



1/4" x 1/4" Square Notch  
Flat Milled Solid & Shorts or Plywood  
Coverage: 35 sq. ft. per Gallon

**Trowel size is suggested to maximize coverage of adhesive. 80% coverage is required for engineered plank—95% coverage is required for solid woods. Periodically check coverage during installation. Uneven subflooring may require the use of either a leveling/patching material, or a larger notched trowel for proper coverage of adhesive.**

## TEMPERATURE/RELATIVE HUMIDITY CHART

TEMP.		HUMIDITY				
		40%	50%	60%	70%	80%
60°F	Tack	120 Minutes	110 Minutes	100 Minutes	90 Minutes	80 Minutes
	Open	3.5 Hours	3.5 Hours	3.5 Hours	3 Hours	3 Hours
65°F	Tack	110 Minutes	100 Minutes	90 Minutes	80 Minutes	70 Minutes
	Open	3 Hours	3 Hours	3 Hours	3 Hours	2.5 Hours
70°F	Tack	100 Minutes	90 Minutes	80 Minutes	70 Minutes	60 Minutes
	Open	3 Hours	3 Hours	3 Hours	2.5 Hours	2.5 Hours
75°F	Tack	90 Minutes	80 Minutes	70 Minutes	60 Minutes	50 Minutes
	Open	3 Hours	2.5 Hours	2.5 Hours	2.5 Hours	2.5 Hours
80°F	Tack	80 Minutes	70 Minutes	60 Minutes	50 Minutes	40 Minutes
	Open	3 Hours	2.5 Hours	2.5 Hours	2.5 Hours	2 Hours

**NOTE: This chart is for reference only. Actual times may vary dramatically based on job site conditions.**

### **BOSTIK FINDLEY**

Middleton, MA 01949  
800-7-BOSTIK or  
800-726-7845

### TECHNICAL SERVICES

800-523-6530  
978-750-7356

### MANUFACTURING LOCATIONS

Long Beach, CA 90813  
Conyers, GA 30207  
Twinsburg, OH 44087  
Huntingdon Valley, PA 19006

## LIMITED WARRANTY

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