



Pro-Cure™

MOISTURE-CURE URETHANE ADHESIVE

TECHNICAL DATA SHEET 10/31/2024

SMART ADVANTAGES

- High-performance urethane formulation
- For all glue-down wood & bamboo flooring
- Easy spread & easy clean

DESCRIPTION

Bostik's Pro-Cure™ is a professional grade, moisture-cure urethane adhesive for wood flooring; this adhesive does NOT contain any water. Pro-Cure™ may be used to adhere all engineered, acrylic impregnated, solid plank-flat milled, shorts, bamboo and parquet 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, as well as, ceramic tile, marble, and stone inlays for light commercial and/or residential applications.

Pro-Cure™ may be used over all properly prepared substrates common to hardwood flooring installations including: concrete, plywood, OSB (underlayment grade), well-bonded ceramic tile, cement backer board, gypsum patch/underlayments (dry, above-grade), cement patch/underlayments, radiant-heat flooring, terrazzo, and recycled rubber underlayments.

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.

NOTE: Wood flooring is a natural product and may be sensitive to moist or humid environments. Check with the wood flooring manufacturer for approval before planning to install bathrooms, basements, below-grade, or any area that is prone to high humidity or moisture. Set and maintain recommended temperature and humidity levels at least 72 hours before, during and after the installation. Refer to the wood-flooring manufacturer's instructions. At least 48 hours before the installation or according to the wood-flooring manufacturer's directions, place in the installation area the wood-flooring material, adhesive, and any other products and materials that will be used. Use a quality hygrometer to check the relative humidity (RH) of the area, the RH of the slab and/or any cement-based repair material, the air temperature, and the moisture content of both the wood subfloor and the wood-flooring material. Do not proceed with the installation unless these values



are in strict accordance with the wood-flooring manufacturer's guidelines. Because the actual living conditions (such as temperature and humidity settings) will be controlled by the homeowner or building owner, it is advisable to inform the owner of the required temperature and humidity range as recommended by the flooring manufacturer. These conditions must be maintained to ensure the overall performance and long-term success of the installation.

SURFACE PREPARATION

The All surfaces must be absorptive, clean, and free from loose materials, oil, grease, sealers, 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

This supersedes and replaces in its entirety all previously published versions of this document. B148510

cement-based material (e.g., Bostik Webcrete® 95, Webcrete® 98, SL-100™, SL-150™, SL-175™, SL-200™ or UltraFinish™ Pro). For cracks in concrete that are larger than 1/8", use a quality urethane sealant, such as Bostik's 915FS™ or 955-SL™.

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 also must be tested in accordance with ASTM F3191 and be found porous, where a ¼" drop of water must absorb into the concrete within 1 minute.

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 "Wet-Lay" or "Walk-on-Work" method of installation. For "Wet-Lay" installations, spread the adhesive and begin to install the flooring immediately. For "Walk-on-Work" installations, begin to install the flooring 10 to 15 minutes after spreading adhesive.
- 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) and 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.

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. Using a recommended trowel, apply adhesive to substrate and then set the plywood into the wet adhesive. Allow the adhesive to fully cure before nailing strips or using PRO-CURE™ 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 8 to 10 hours; normal traffic after 24 hours.

CLEANUP

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) and then dry buff with a non-abrasive paper towel. Immediately clean all tools and equipment with Bostik's Ultimate™ Adhesive Remover, or 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 remainder of trowel with adhesive remover.

STORAGE/SHELF LIFE

Store at temperatures between 50°F and 100°F (10°C and 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

- Test all concrete slabs for moisture using anhydrous calcium chloride moisture test kits, according to ASTM F1869, to determine the Moisture Vapor Emission Rate (MVER). No more than 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m²) per 24 hours is allowed. Concrete slabs with MVER higher than 3 lbs. per 1,000 sq.ft. per 24 hours (reference ASTM F1869) should be treated with Bostik's MVP4®. Please refer to MVP4® Data Sheet.
- Do not use this product to install any type of wood flooring that the wood manufacturer does not recommend to be glued down.
- Slab temperature should be between 50° F and 100° F (10°C and 38°C) during installation.
- Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head.
- Due to limitations with solid wood flooring (i.e. lack of dimensional stability), "below-grade" installations are limited to engineered hardwood flooring.
- Do not install solid wood flooring over VCT/vinyl.
- Please refer to wood flooring manufacturers recommendation for proper expansion relief around perimeter or throughout installation.
- Do not use with vinyl backed cork flooring.
- Bamboo installations should follow solid hardwood flooring installation recommendations.

WARNING

COMBUSTIBLE. MAY BE HARMFUL IF SWALLOWED OR INHALED. CONTAINS POTENTIAL SENSITIZER. MAY CAUSE ALLERGIC SKIN OR LUNG REACTION. MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Do not swallow. Use only in a well-ventilated area or wear mask. Keep away from flames or sparks. 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 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

OPEN TIME CHART





	Humidity		
	40%	60%	80%
60°F (16°C)	< 230 Minutes	< 210 Minutes	< 190 Minutes
70°F (21°C)	< 170 Minutes	< 150 Minutes	< 130 Minutes
80°F (27°C)	< 140 Minutes	< 120 Minutes	< 100 Minutes

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

TROWEL SELECTION

In order to form a membrane that functions properly for moisture vapor protection, the right trowel needs to be selected to achieve both 100% coverage of the substrate and 100% transfer to the back of the flooring. Jobsite conditions, profile of the substrate, depth of back channeling in the flooring, and other factors affect the amount of adhesive that must be applied to achieve proper coverage and transfer. Always pull a board at the beginning of and during the installation process to confirm adequate coverage and transfer. Trowel size may need to be changed to achieve the required coverage and transfer. See trowel suggestions below.

SUGGESTED NOTCHED TROWEL FOR MAXIMUM PERFORMANCE

≤ 1/2" Engineered Hardwood Flooring Coverage: 45- 55 ft ² / Gallon	Finger Block Parquet Coverage: 70-80 ft ² / Gallon	Flooring & 3/4" Parquet Coverage: 35-45 ft ² / Gallon	>1/2" Flat Milled Solid & Shorts or Plywood Coverage: 30-40 ft ² / Gallon
			
3/16" x 5/32" V-Notch	1/8" x 1/8" x 1/8" Square Notch	1/4" x 1/4" x 1/8" Square Notch	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; >95% coverage is required for all flooring. Uneven subflooring may require the use of either a leveling/patching material, or a larger notched trowel for proper coverage of adhesive.

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