



Titebond 811 Advantage Wood Flooring Adhesive

Titebond 811 Advantage Urethane Wood Flooring Adhesive is ideal for the installation of all wood parquet, engineered and solid plank flooring. It is a moisture-resistant adhesive that offers enhanced strength development and an exceptional final bond. Additionally, Titebond 811 Advantage has been specifically formulated for use with the Titebond family of Moisture Control Systems.

This premium adhesive also provides the installer with options of using the "wet lay" or "flash" methods of installation. The combination of enhanced green grab, excellent strength development and the ability to use with Titebond Moisture Control Systems gives the installer a true "Advantage" over traditional urethane wood flooring adhesives.



Product Features

- Trowels easily
- Lower cost per gallon
- Non-slump formula
- Long open time
- Contains no water
- VOC-compliant
- Easy cleanup
- Highly moisture-resistant
- Will not cause dimensional changes in wood flooring
- Excellent bond strength
- No flash time required
- Ideal for above-, on- and below-grade installations
- Unaffected by freezing temperatures
- 95% solids
- Designed for use with Titebond Moisture Control Systems

Physical Properties

Type Urethane

Calculated VOC 65 g/L

Color Brown
Solids 95%
Viscosity 100,000 cps
Storage life 1 year in tightly closed container

Weight/gallon 12.4 lbs.
Flashpoint > 200°F (Pensky-Martens Closed Cup)
Freeze/thaw stability Not affected by freezing

Trowel recommendations and coverage

Floor Type - Parquet and Engineered

Trowel Size

Coverage

All parquets measuring less than 3/4" thick	1/8" x 1/8" x 1/8" Square-notch	Approximately 65 sq.ft. per gallon
All engineered flooring	3/16" x 1/4" x 1/2" c-c V-notch	Approximately 50 sq.ft. per gallon

Floor Type - Solid

Trowel Size

Coverage

Solid flooring with a width of 3" or less and measuring 5/8" or less in thickness	3/16" x 1/4" x 1/2" c-c V-notch	Approximately 50 sq. ft. per gallon
Solid flooring with a width greater than 3" and measuring 5/8" or less in thickness and bamboo	3/16" x 3/16" x 3/16" Square notch	Approximately 35 sq. ft. per gallon

CLEAN TROWEL WITH WATER OFTEN TO PREVENT ADHESIVE BUILD-UP.

Application Guidelines

Subfloor Preparation All substrates must be clean, dry, structurally sound, properly cured and free of dirt, oil, paint, old adhesive, wax, sealers and curing agents. General scouring with 20 grit or #3 1/2 open-coat sandpaper will remove most compounds. All loose materials must be vacuumed from the surface after scouring. The subfloor must be flat to a tolerance of 3/16" in a 10' radius. Hollow spots, popping spots and squeaks are related to unevenness in the subfloor. Grinding concrete floors is preferred over the use of filling compounds. If filling/leveling compounds are used, they must be portland based cementitious materials and have a compressive strength equal to or greater than 3000 psi when cured. Use of adhesive over light weight concrete and all gypsum based materials requires the use of Titebond Concrete Primer or equivalent prior to application of adhesive. For further information on Titebond Concrete Primer, contact Franklin Technical Service at 1-800-347-4583. Remove all existing base, shoe molding and door thresholds prior to continuing the installation. All door casings must be undercut with either a jamb saw or a hand saw. Use a piece of the flooring as a guide to determine the thickness needed.

Subfloor Moisture Check Titebond 811 Advantage may be used for above-, on- and below-grade applications and on all substrates listed on page two in Specifications Guide. All applications are susceptible to moisture and should be tested for moisture prior to installation in several locations within the installation area.

Acceptable conditions of concrete for above-, on- and below-grade applications are:

- Less than 3 lbs./1000 sq.ft./24 hours on a Calcium Chloride Test (ASTM F1869)
- Less than a reading of 4.5 on a Tramex Concrete Moisture Encounter
- Relative humidity (RH) of 75% or less when tested with an in situ probe (ASTM F2170)

Acceptable conditions of wood substrates are a moisture reading of less than 12% or be no more than 4% different from the flooring being installed when using a Tramex, Delmhorst or equivalent wood moisture meter.

If subfloor moisture conditions do not meet above guidelines at the time of flooring installation or they could exceed them at any time after installation then a Titebond Moisture Control system should be used. For more information concerning these products and moisture conditions, call Franklin Technical Service at 1-800-347-4583.

Flooring Installation Titebond 811 Advantage can be installed using the "wet lay" or "flushed" methods, depending on your preference and the environment of your installation.

In the "wet lay" method you do not flash the adhesive; you begin laying the wood flooring immediately after troweling

the adhesive. Once the adhesive has been troweled, the wood flooring may be installed immediately into the wet adhesive. To reduce slippage, secure the first two starter rows with starting blocks fastened to the substrate or wedges against starting wall. Remaining planks must be placed firmly into adhesive. Planks which are not flat should be weighted for several hours. In the wet lay method, you should not work on top of the wood.

The "flashed"* method is when the adhesive is allowed to flash for the recommended amount of time prior to installing the wood flooring. While using this method, you are advised to trowel out larger sections of the room so that you spend most of your time laying wood rather than flashing adhesive. Be careful not to exceed 811 Advantage's open time of 90 minutes and do not trowel more adhesive than you can comfortably cover with the flooring in 90 minutes.

Re-sealing and Re-opening Partial Pail Scrape sides of pail (this will aid in removal of adhesive later). Place plastic trash bag over unused adhesive, working out any air pockets. Replace lid on pail and tightly seal. Upon re-opening pail, remove trash bag. Material should be ready for use.

Gluing Plywood Over Concrete 1. Use 5/8" CD Exposure 1 Plywood subfloor panels, 4' x 8' sheets; cut sheets into 2' x 8' or 4' x 4' sections

2. Score the back of the panels half the thickness of the panel on a 12" x 12" grid in order to relieve tension in plywood

3. Use a 1/4" x 1/4" square-notched trowel to apply adhesive to concrete

4. Lay sections in a staggered joint pattern in the adhesive, with 1/8" spacing between sheets, and 3/4" minimum expansion space at walls and all vertical obstructions

5. Add weight as necessary to ensure adhesive remains in contact with plywood as it cures

6. Allow adhesive to dry overnight before proceeding with flooring installation

Cleanup As the pre-finished flooring is being installed, immediately wipe any wet adhesive from the flooring, tools and equipment with mineral spirits. Do not allow adhesive to cure on surface of the flooring, tools or equipment. Follow solvent manufacturer's directions when working with solvents. Cured adhesive will be difficult to remove. For specific cleaning instructions, call Technical Service at 1-800-347-4583.

CAUTION: Do not sand, scour or abrade any material that is suspected of containing asbestos fibers. Asbestos is known to cause cancer. Federal law requires that asbestos be handled by a licensed and certified hazardous materials contractor.

* The recommended flash time for Titebond 811 Advantage Urethane Wood Flooring Adhesive is **30 minutes**, depending upon subfloor moisture and humidity. Specific questions regarding "flash time" should be directed to Franklin Technical Service at 1-800-347-4583.

Limitations

- Do not install solid wood below-grade
- Do not use on concrete with curing agents or sealers (except for recommended Titebond or Franklin products)
- Avoid allowing adhesive to cure on wood flooring surface
- Do not allow foot traffic for 8 hours after installation
- Do not use as a leveler
- Installations in dry climates or over dry subfloors will take longer to cure
- Temperature and humidity will affect the open time and the cure time of the adhesive

Caution Statements

WARNING: EYE AND SKIN IRRITANT. POTENTIAL SKIN AND RESPIRATORY SENSITIZER. Contains residual isocyanates. Individuals with pre-existing respiratory conditions should avoid exposure to vapors from uncured product. Prolonged or repeated skin exposure may cause skin irritation and sensitization or allergic reaction. Do not swallow or allow eye contact. **First Aid:** If skin contact occurs, wash affected area with soap and flowing water. If irritation persists or allergic reactions develop, seek medical attention. If adverse respiratory effects occur, remove individual to fresh air and seek medical attention. If eye contact occurs flush with water for 15 minutes, seek medical attention. If swallowed, do not induce vomiting, seek medical attention. For additional information, refer to Material Safety Data Sheet. **KEEP OUT OF THE REACH OF CHILDREN.**

Ordering Information

Part No.	Size	Weight	UPC	Case UPC	Units Per Package	Packages Per Pallet
2779	3.5 Gallon Pail	46.64	037083027792		1	36

Important Notice: Our recommendations, if any, for the use of this product are based on tests believed to be reliable. Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied, is made as to such use or effects incidental to such use, handling or possession or the results to be obtained, whether in accordance with the directions or claimed so to be. The manufacturer expressly disclaims responsibility therefore. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use.

2020 Bruck Street, Columbus, Ohio 43207
CUSTOMER SERVICE 1-800-669-4583
TECH SERVICE 1-800-347-4583
www.titebond.com

Franklin International