

PROFLEX™ PWA-300

BAMBOO BOND

Wood and Bamboo Flooring Adhesive

PROFLEX PRODUCTS, INC.
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PROFLEX™ Bamboo Bond is a 100% solids moisture cure urethane adhesive formulated for the installation of solid, engineered and parquet wood flooring. Also recommended for bamboo flooring.

FEATURES:

- Recommended for solid and engineered wood
- Superb flexibility to expand and contract with wood
- Easy trowel on application
- Contains no water

ENVIRO FRIENDLY:

- Solvent free
- VOC: <1 g/L (vapor pressure of 20°C) and <1% by weight

Bamboo Bond complies with the VOC requirements of the South Coast Air Quality Management District, containing less than the "Wood Flooring Adhesive" maximum of 100 g/L; and complies with the Ozone Transport Commission, containing less than the "Indoor Floor Covering" maximum of 150 g/L (20°C). This product may contribute one LEED point for "Low-Emitting Material-Adhesive and Sealant" (IEQ Credit 4.1), and may also contribute one to two LEED points for MR Credit 5 if product is manufactured within 500 miles of the project site. Visit usgbc.org for additional details.

USES: For bonding solid wood plank, bamboo, flat milled shorts, finger/block parquet (plain back), engineered and acrylic impregnated flooring recommended for glue-down applications, cork underlayment and plywood.




SUBSTRATES: Concrete, APA or PS1-95 rated plywood, oriented strand board (lightly sanded), vinyl composition tile (well bonded, free of wax, residential engineered wood flooring only), acoustic cork underlayment, primed gypsum underlayment, terrazzo (free of waxes/sealers) and radiant heated flooring systems. Consult the wood flooring manufacturer's installation instructions for their specific underlayment recommendations.

SURFACE PREPARATION: Subfloors must be structurally sound, dry, smooth, flat and free of excess moisture/alkali and all substances (oil, wax, grease, paint, oil based sealers, adhesive residue, etc.) that might interfere with the bond of the adhesive. All substrate cracks, holes, high spots and irregularities must be adequately repaired. Patching compounds must be

suitable for the use application, polymer-modified and applied according to the manufacturer's instructions. Expansion or other moving joints must not be filled or covered with flooring. Refer to ASTM 710 Standard Practice for Preparing Concrete Floors. Concrete must be flat (≤ 1/8 inch in 10 ft.) with a minimum 3,000 psi. Burnished or steel troweled concrete must be roughened using a minimum 30-grit abrasive. Irregular substrates will lead to "hollow spots" or "popping." It is very important to have a smooth level surface.

Wood – Subflooring, such as APA underlayment grade plywood, hardwood, oriented strand board (lightly sanded), or other materials, must be flooring/underlayment grade, recommended for the specific flooring being installed and installed to the manufacturer's specifications with adequate ventilation and moisture protection. Ensure wood substrates have a minimum 18 in. crawl space with adequate ventilation and moisture barrier protection. Cracks, chips and joints must be properly patched or repaired. Wood substrates must not have more than 12% moisture content. Ensure moisture content of wood subfloor is within acceptable moisture range of wood flooring prior to installation.

RECOMMENDED TROWELS and COVERAGE:

<p>>1/2" THICK ENGINEERED WOOD</p> <p>≤3/4" THICK SOLID WOOD</p>	 <p>1/4" X 1/4" X 1/4" SQ. NOTCH TROWEL</p>	<p>30-40 SQ. FT. PER GALLON</p>
<p>≤1/2" THICK ENGINEERED WOOD</p>	 <p>1/4" X 1/4" X 1/4" V NOTCH TROWEL</p>	<p>45-55 SQ. FT. PER GALLON</p>
<p>FINGER BLOCK PARQUET</p>	 <p>1/8" X 1/8" X 1/8" SQ. NOTCH TROWEL</p>	<p>70-80 SQ. FT. PER GALLON</p>

Refer to material safety data sheet, www.proflex.us and industry standards prior to installation for additional information.
 For installation questions that are not covered please contact 877-577-6353.

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SURFACE PREPARATION (continued):

Gypsum – Gypsum based underlayments must be appropriately cured, dry, on or above grade, with a compressive strength of >2,500 psi for solid wood and >2,000 psi for engineered wood flooring. Consult flooring manufacturer for their specific recommendations for gypsum based underlayments.

GENERAL: Ensure HVAC is fully operational and is set to the temperature that will be maintained during the life of the flooring installation. Ensure substrate, flooring material and adhesive are fully acclimated prior to installation at the same temperature and humidity level expected during normal use (65–95°F) with a relative humidity (RH) of no greater than 65%. Refer to flooring manufacturer's specific recommendations and industry standards. Ensure moisture content of wood flooring and substrates are within the wood manufacturer's specified range. Materials, substrate and area temperature must be 65–95°F with a maximum RH of 65% for 48 hours before and during installation as well as for 72 hours afterward. Large temperature or humidity increases or decreases can affect the flooring and performance of the installation.

Ensure radiant heated floors have been in operation and that all excess residual moisture is removed (evaporated) from the system and the concrete slab is fully cured. Turn the heating system off to ensure that the adhesive does not dry too fast.

Ensure adequate ventilation during flooring installation.

The trowel notches referenced are those typically recommended for the type of flooring being installed. They are normally the minimum size recommended. Surface conditions (roughness and porosity of substrate), type of flooring and backing will ultimately determine the required trowel notch size and coverage. Always check with the specific flooring manufacturer's recommendations for their specific trowel requirements. Ensure 100% transfer of adhesive to the substrate and the flooring backing.

Refer to NWFA.org for additional information as well as wood manufacturer's installation guidelines.

TECHNICAL INFORMATION (70°F, 50%RH):

Note: Open, working and curing times for Bamboo Bond will vary with temperature and humidity.

Open Time: Up to 80 minutes

Working Time: Up to 120 minutes

Shelf Life: 1 year in unopened container

Concrete Moisture Vapor Emissions: 3 lbs. or less (ASTM F1869) / 75% or less (ASTM F2170)

pH must not exceed 9.0

Freeze-thaw stable

APPLICATION and INSTALLATION:

Notes: Do not install solid wood flooring or bamboo below grade. Clean any adhesive from surface flooring immediately with mineral spirits adhesive remover. Bamboo Bond is a chemical curing adhesive and once dry will form a chemical bond with the flooring surface. It is very important to remove this adhesive while it is still fresh and before it has completely cured.

Wet-Lay Method – Apply adhesive to substrate with appropriate trowel. Immediately install flooring into wet adhesive.

Walk-on Method – Apply adhesive to substrate with appropriate trowel and allow it to develop tack. Install flooring into adhesive. After your “walk-on” set of boards have been installed; secure them with removable painter's tape that will not harm prefinished flooring to prevent boards from sliding or separating. Roll flooring installation with the manufacturer's recommended roller to ensure proper contact.

The amount of time in which the adhesive cures will vary with temperature and humidity. The higher the temperature and the higher the humidity the faster the adhesive will cure. Lift a board periodically to ensure 100% coverage of adhesive to the flooring backing and the substrate.

WARNINGS:

EXISTING FLOORING AND ADHESIVES MAY CONTAIN ASBESTOS. Unless you have confirmation that the existing flooring system is not asbestos containing, do not sand, dry sweep, dry scrape, abrade, drill, saw, bead blast, mechanically chip or pulverize existing flooring or adhesive without taking all appropriate precautions. Refer to local, state and federal guidelines for treatment and removal of these products. You may also refer to the Resilient Floor Covering Institute's “Recommended Work Practices for Removal of Resilient Floor Coverings.”

EXISTING PAINT MAY CONTAIN LEAD. Unless you have confirmation that the existing paint is not lead containing, do not sand, dry sweep, dry scrape, abrade, drill, saw, bead blast, mechanically chip or pulverize existing paint without taking all appropriate precautions. Refer to local, state and federal guidelines for treatment and removal of lead containing paint. You may also refer to www.epa.gov/lead.

CLEAN UP: Fresh adhesive – Urethane adhesive remover or mineral spirits sparingly with a clean, white cotton cloth. **DO NOT POUR CLEANER DIRECTLY ONTO FLOORING.**

Dried adhesive – If adhesive dries on floor finish carefully scrape excess adhesive with plastic putty knife and use mineral spirits (see label instructions for proper clean up of dried adhesive). Avoid damaging the finish. Touch up any scratched finish with wood flooring manufacturer's repair finish.

LIMITED WARRANTY: Manufacturer/Seller warrants that this product will be free from manufacturing defects for 12 months from the date of purchase, when applied in accordance with Manufacturer's/Seller's instructions and industry standards. Manufacturer's/Seller's sole liability is to either supply new product or refund the original purchase price. **This limited warranty excludes all other express warranties including the warranties of merchantability for a particular use or purpose.** Any implied warranties arising by operation of law are limited to one year. Manufacturer/Seller will not be liable for any incidental or consequential damages. Some states do not allow these limitations or exclusions, therefore they may not apply. This warranty gives you specific legal rights and you may have other rights which vary from state to state.