

1. PRODUCT NAME

PWA-600

2. MANUFACTURER

PROFLEX® Products, Inc.
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3. PRODUCT DESCRIPTION

PROFLEX® PWA-600 is a revolutionary one-component, single step, solvent free moisture cure urethane formulated to perform as an adhesive, moisture vapor barrier and sound reducer.

Advantages

- NO PRE-INSTALLATION MOISTURE TESTING REQUIRED
- Powerful urethane bond strength
- Extreme moisture protection
- LEED® Qualified & California Proposition 65 Compliant
- Protects wood flooring against moisture vapor through the subfloor
- Single step moisture barrier, sound control & adhesive
- Solvent free
- Zero VOCs (calculated)
- Suitable for use over all PROFLEX® Peel & Stick Membranes, RCU Membranes, LV-200 Membrane.

Uses

For glue-down installations on all grades for all types of engineered, solid or acrylic impregnated wood flooring, bamboo and wood flooring, designed to be installed using the glue down installation method, that may require protection from damage due to subfloor moisture transmissions. When used as an Adhesive & Moisture Barrier, PROFLEX® PWA-600 reduces moisture to acceptable limits.

Packaging

4 gal. pail, 36 pails per pallet



4. TECHNICAL DATA

Tensile Strength	> 300 psi
Elongation	150%
Maximum Subfloor Moisture	NO MAXIMUM SUBFLOOR MVER CRITERIA
Open time	65°F-75°F (18°C-24°C) 60-90 minutes Note: Open times will vary with temperature and humidity.
Application Room Temperature	Between 65°F (18°C) and 95°F (35°C)
Flash Point	>200°F (>93.3°C)
Color	Brown
Cure Time	Light foot traffic after 8-10 hours, Heavy foot traffic after 24 hours
Shelf Life	One year from date of manufacture; stored at 50-80°F (10-26°C)
VOC	ZERO VOC's



Sound Ratings (ASTM E90-09) ASTM E492-09

- 6" slab without drop ceiling; 53 STC - 52 IIC
- 6" slab with drop ceiling; 63 STC - 66 IIC

Recommended Trowels and Coverage
Coverage (Adhesive and Moisture Protection / Wide and Long Planks)

Flooring Product	Trowel size* and Notch	Coverage
Wood flooring up to 5/8" thick <hr/> Planks less than 6' long and 5" wide	 1/4" x 1/4" V-Notch	30-35 sq. ft. /gal.
Wood flooring greater than 5/8" thick Multi-Ply Engineered plank - below grade <hr/> Planks greater than 6' long and 5" wide	 1/2" x 15/32" V-Notch	20 sq. ft. /gal.

Coverage (Adhesive only application)

Flooring Product	Trowel size* and Notch	Coverage
Wood flooring up to 1/2" thick	 3/16" x 5/32" V-Notch	50 sq. ft. /gal.
Wood flooring up to 3/4" thick	 1/4" x 1/4" x 1/4" Square Notch	30 sq. ft. /gal.

NOTE: Quantities shown above are approximate only. Actual coverage may vary according to substrate conditions and types of trowel used.

5. INSTALLATION

Suitable Substrates

Concrete, Portland cement patch, terrazzo, ceramic tile, APA approved wood panels/plywood, radiant heat flooring, and cement backer board.

Ensure that the subfloor is structurally sound, smooth, dry, properly cured, clean and free from dust, dirt, grease, oil, plaster, paint, old adhesive, wax, curing agents, sealers, cutback or other asphaltic-based residue and any other contaminants that could interfere with a good adhesive bond.

Subfloor Preparation

Concrete Subfloors:

Must be cured a minimum of 28 days and pH must be between 7-10. If not, take corrective measures before proceeding. Pre-install moisture testing is not required when using the moisture control installation method. **Subfloor must have no pre-existing moisture conditions or failures from conditions of high alkali or hydrostatic pressure.** The subfloor must be dry to the touch with no standing water or visible dampness, and must be prepared to receive flooring in compliance with ASTM F710. **Concrete subfloors over a year old with high moisture readings are indicative of a chronic underlying moisture source problem resulting from hydrostatic pressure or other moisture related exclusions such as broken pipes, leaky plumbing, sink overflow, flooding, weather conditions or improper maintenance. Problems caused by these moisture related exclusions will not be covered by the limited warranty.**

Terrazzo:

All polishes and glaze compounds must be completely stripped and surface must be abraded by sanding. After sanding thoroughly vacuum (NO sweeping), to remove all loose dust particles. After vacuuming clean the entire substrate with mineral spirits and allow drying before installing the wood flooring.

Plywood and OSB Type Subfloors

All panels/plywood must be APA approved and securely fastened. Eliminate all squeaks and movement with SCREWS (not nails). Sand all high joints. Fill and patch low areas.

Refer to wood flooring manufacturer for guidelines of moisture content difference between properly acclimated wood flooring and subflooring materials. (Typically should not exceed 4%)

Radiant Heated Subfloors:

PROFLEX® PWA-600 is approved for use on hydronic system radiant heated subfloors, provided the wood flooring is approved over radiant heated subfloors. The system must be fully embedded in concrete. Lightweight or gypsum based topping must be primed for glue down installation. Turn off the heat 48 hours prior to the installation and leave the heat off until 48 hours after the installation is completed.

INSTALLING WOOD FLOORING FOR MOISTURE CONTROL APPLICATION:

1. Subfloor must be in compliance with "Subfloor Preparation" before starting the installation.
2. Follow manufacturer's instructions for acclimation, floor layout and expansion space requirements. It is imperative the subfloor be flat, without dips, birdbaths or sudden rises (3/16" in 10' radius or 1/8" in 6' radius).
3. Use the trowel chart below to determine which trowel to use. The use of any other applicator or trowel will void all warranties and yield unsatisfactory results.
4. TROWEL THE ADHESIVE PARALLEL TO THE WOOD FLOORING IN 24"-36" SECTIONS THEN IMMEDIATELY LAY WOOD INTO WET ADHESIVE BEFORE MOVING TO NEXT SECTION. ALWAYS SPREAD ADHESIVE BEYOND WHERE THE LAST ROW OF FLOORING STOPS TO ENSURE THERE ARE NO VOIDS BETWEEN STOPPING AND STARTING POINTS WHEN SPREADING THE ADHESIVE. 100% ADHESIVE TRANSFER IS REQUIRED FOR MOISTURE PROTECTION.
5. Repeat steps 3 – 4 until the job is complete.
6. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

INSTALLING WOOD FLOORING FOR GLUE DOWN ONLY APPLICATION:

Concrete Subfloors must be cured a minimum of 28 days with a pH between 7-10. If not, take corrective measures before proceeding. Subfloor must be properly prepared to receive flooring in compliance with ASTM F710. Subfloor moisture levels must not exceed wood flooring manufacturer's guidelines. When subfloor moisture levels exceed wood manufacturer's limit, use the moisture control installation method.

1. Select the correct trowel for the wood you are installing from the trowel chart. Using the incorrect trowel will void this adhesive warranty.
2. This is a wet-lay adhesive. Do not spread more adhesive than can be covered within 30 - 45 minutes.
3. Good transfer of the adhesive to the wood is critical. Periodically, pull back a board that has just been installed and make sure there is 90% adhesive transfer to the board.
4. Trowel tips will become worn down over time and must be changed to achieve correct coverage.
5. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

NOTE: Do not set flooring into adhesive that has a dry skin. The "open time" of the adhesive will vary according to the temperature and humidity level-the higher the temperature and humidity level, the shorter the open time.

CLEAN UP: Using PROFLEX® UAR (Urethane Adhesive Remover), remove any PROFLEX® smudges from the wood floor surface as well as tools and equipment as soon as possible before the adhesive dries. Carefully use a soft cloth and PROFLEX® UAR to remove PROFLEX® PWA-600 while it is still wet to not damage the floor.

ONCE PWA-600 CURES IT IS EXTREMELY DIFFICULT TO REMOVE AND WILL ETCH FINISH SURFACES.

6. AVAILABILITY

PROFLEX Products are available nationwide.

To locate products in your area, please contact:

Phone: 877-577-6353

Website: www.proflex.us

7. 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.

8. MAINTENANCE

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support

Toll Free: 877-577-6353

Fax: 863-937-9624

Technical and safety literature

To acquire technical and safety literature, please visit our website www.proflex.us

10. FILING SYSTEM

Division 9