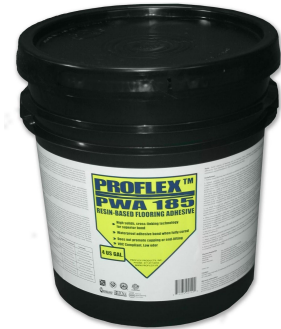


## 1. PRODUCT NAME

PWA 185

## 2. MANUFACTURER

PROFLEX® Products, Inc.  
2826 Broadway Center Blvd  
Brandon, Florida 33510  
Telephone: 863-937-9623  
Toll Free: 877-577-6353  
Fax: 863-937-9624  
Internet: [www.proflex.us](http://www.proflex.us)



## 3. PRODUCT DESCRIPTION

PROFLEX® PWA 185 is a high solids, cross linking, Amide-Ester-Acrylate, resin-based adhesive formulated for the interior installation of dry-back parquet, engineered wood plank, acrylic impregnated plank, and unfinished and unfinished solid wood flooring. It is solvent free, has a low VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200 and it is a non flammable, low odor adhesive that meets all federal, state, and local governmental indoor air quality regulations. This specially formulated adhesive has good early strength buildup for immediate grab and gradually builds into a tenacious but resilient bond as the chemicals in the adhesive cross-link. Suitable for use over all PROFLEX® Peel & Stick Membranes, RCU Membranes, LV-200 Membrane.

### Uses

PWA 185 can be used over association grade underlayment plywood, association grade particleboard underlayment, cork underlayments, existing well-bonded vinyl tile and sheet flooring, terrazzo, radiant heated subfloors where surface temperatures do not exceed 85°F (29.40°C), and concrete. Install above, on, or below grade, in the absence of excessive moisture and alkali. While this adhesive is waterproof when cured, the wood flooring still must be protected from excessive moisture. Although this adhesive retards MVT, it is not intended to function as a moisture barrier. The pH level of concrete must be between 5 and 9 (do not install if over 9) and moisture level of concrete must be below 3 lbs./1000 sq. ft./24 hours using an anhydrous calcium chloride test kit according to ASTM F-1869 test method. Relative Humidity readings according to ASTM F-2170 should not exceed (RH) 75%. If both tests are performed the RH test is the qualifying standard. Follow wood flooring manufacturer's guidelines for allowable levels of moisture. Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst wood moisture meter.

### Advantages

- High solids, cross-linking technology for superior bond
- Waterproof adhesive bond when fully cured
- Does not promote cupping or end-lifting
- VOC Compliant, Low odor
- Suitable for use over all PROFLEX® Peel & Stick Membranes, RCU Membranes, LV-200 Membrane

### Suitable Substrates

<ul style="list-style-type: none"><li>• Association grade underlayment plywood</li><li>• Association grade particleboard underlayment</li><li>• Cork underlayments</li><li>• Existing well-bonded vinyl tile</li><li>• Sheet flooring</li><li>• Terrazzo</li><li>• Radiant heated subfloors where surface temperatures do not exceed 85°F (29.40°C)</li><li>• Concrete: on/above/below grade in absence of excessive moisture and alkali</li></ul>	<ul style="list-style-type: none"><li>• PROFLEX® Peel and Stick membranes</li><li>• PROFLEX® RCU Membranes</li><li>• PROFLEX® LV-200 Membrane</li></ul>
--	---

**Coverage**

Flooring Product	Trowel size* and Notch	Coverage
Thin gauged solid wood and exotic species 7/16" (11 mm) thick or less	3/16" x 1/4" x 1/2" Flat V 4.8 mm x 6.4 mm x 12.7 mm	Up to 80 sq. ft./gal Up to 2.0 sq. meters/liter
Pre-finished / un-finished solid wood and exotic species 15/32" - 3/4" (12mm-19mm) thick and engineered plank & acrylic impregnated plank - all thickness.	3/16" x 1/4" x 5/16" flat V 4.8 mm x 6.4 mm x 7.9 mm	Up to 60 sq. ft./gal Up to 1.5 sq. meters/liter
Dry-back parquet:	1/8" x 1/8" x 1/8" square 3.2 mm x 3.2 mm x 3.2 mm	Up to 80 sq. ft./gal Up to 2.0 sq. meters/liter
Cork tile, cork sheet, and cork underlayment. Install cork flooring into wet adhesive. Curled cork tile or cork sheet may require 5-10 minutes advance cure time.	1/16" x 1/16" x 1/16" square 1.6 mm x 1.6 mm x 1.6 mm	Up to 250 sq. ft./gal Up to 6.1 sq. meters/liter

**Packaging**

4 gallon pail 48 pails per pallet

**CAUTION**

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

**4. TECHNICAL DATA**

**Physical Properties**

**Appearance:** Tan, smooth, easy-to-spread mastic.

**Working time:** Approximately 60 minutes.

**Shelf life:** One year in unopened container at 70°F (21.10°C).

**Other features:** Waterproof when cured, non-flammable. Freeze/thaw stable to 10°F (-12.22°C). Made with antimicrobial agents that will provide its dry film with protection from fungal growth. This protection is determined using the ASTM G21 test method.

**Clean Up:** Remove wet adhesive with a damp cloth. If dried, cleanup with denatured alcohol.

**5. INSTALLATION**

*In addition to these instructions, installers shall also refer to the most current edition of the following publications: American National Standards Institute (ANSI) publications. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installations The Marble Institute of America (MIA) Dimension Stone Design Manual, NWFA (National Wood Flooring Association).*

**Surface Preparation**

Substrate must be sound, smooth, level, clean and dry. It must be free of dust, dirt, wax, loose paint, incompatible curing compounds or fire retardant chemicals, fungicides, release agents, sealers, or any other foreign substances that might interfere with a good bond. Substrate must be level to 3/16" in a 10 ft span (4.8 mm in a 3.048 m span). Note: When installing thin gauged wood (solid or engineered) irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore substrates must be properly leveled to prevent telegraphing. Fill all cracks, holes and low spots with a polymer modified Portland cementitious patching or leveling compound and allow to fully cure before applying adhesive. High spots must be ground level. Substrate, adhesive and wood flooring must be acclimated in an enclosed building with the HVAC operational and running for at least 72 hours before, during and after the installation. The installation temperature and relative humidity must be controlled between 65° and 95°F, and between 30% and 60% relative humidity, subject to the floor manufacturer's requirements. Open time will vary with temperature and humidity or porosity of the substrate. Note: Wood flooring must be exposed to the air when being acclimated. Follow the wood flooring manufacturer's guidelines regarding site conditions and installation.

**Directions**

1. Refer to all manufacturer's recommendations prior to installation to determine suitability of all materials to be used, approved substrates, sub-floor preparation, etc.
2. Sub-floor must be clean, dry, smooth and free of any contamination, which may interfere with the adhesive bond.
3. Where sub-floor is extremely porous, adhesive absorption may be in question, therefore it is recommended that the sub-floor be primed with PROFLEX SP-1 Primer.
4. Refer to all floor-covering manufacturer's recommendations regarding layout, cutting, seaming and maintenance.

5. Spread adhesive using the recommended trowel. Use the dry installation method in "tile over tile" applications and for situations requiring a releasable installation. (carpet tile, double stick). If carpet tiles are installed "wet", a permanent bond may result.
6. Roll floor covering as per manufacturer's recommendations.
7. Do not wet clean floor covering for a minimum of 14 days. This will allow the adhesive to properly cure.
8. Once adhesive turns clear, floor covering must be placed within 2-4 hours MAXIMUM.

**Note: Exotic species of flooring such as; Brazilian Cherry, Mahogany, and other exotic woods may behave differently than standard domestic hardwoods commonly used in flooring installations. Contact PROFLEX for installation recommendations. Not recommended for Teak.**

#### **Installation**

1. Follow wood flooring manufacturer's guidelines for layout, design and any special precautions for installation.
2. Spread adhesive using recommended trowel (see trowel recommendation chart). Parquet floors can be installed immediately after adhesive is spread. Working time is approximately 30 minutes when installing parquet under acceptable temperature and humidity conditions. When installing engineered plank and solid wood greater than 7/16" (11.10 mm) allow 10 minutes advance cure or "flash off" time. Working time is approximately 50-60 minutes under acceptable temperature & humidity conditions. When installing thin-gauged solid wood and exotic species 7/16" (11.10 mm) and less, allow 20 minutes advance cure or "flash off" time for optimum strength buildup before installing wood. Working time is approximately 40 minutes under acceptable temperature & humidity conditions. Adhesive must transfer 100% to the wood floor. If substrate is non-porous, a longer advance cure or "flash off" time may be necessary. NOTE: Thin-gauged solid wood and exotic species are very sensitive to job site conditions. Wood flooring manufacturer's and PROFLEX written pre-installation instructions must be strictly followed or the PROFLEX warranty will be void.
3. Lay wood flooring into adhesive. Wood may slip and move so be sure to secure the initial row to limit movement and hold patterns. Occasionally lift a piece of wood to assure adhesive is achieving 100% transfer. If proper transfer is not achieved, remove dried adhesive and apply more using recommended trowel. The use of tape to temporarily hold the edges together may be necessary until installation is complete.
4. When installing near a solid object or wall, leave ample room for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. When installation is complete, use wedges or some object to hold wood in place while adhesive dries. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges may cause the wood flooring to buckle and pop off the substrate.
5. Roll and cross roll floor with a 100-150 lb. (45.36-68.04 kg) roller at the end of the installation to ensure proper transfer of adhesive.
6. When installing unfinished solid wood flooring, wait a minimum of 72 hours before sanding.
7. When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and 24 hours after installation. Failure to turn the heat off may result in shortened working time of the adhesive. Floor temperature must not exceed 85°F (29°C).
8. Restrict light traffic for a minimum of 16 hours. Restrict heavy traffic for a minimum of 24 hours after installation is complete.

#### **6. AVAILABILITY**

Proflex Products are available nationwide.

To locate Proflex products in your area, please contact:

Phone: 877-577-6353

Website: [www.proflex.us](http://www.proflex.us)

#### **7. WARRANTY**

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control. For complete warranty information, call Technical Services at 877-577-6353; visit us on the web at [www.proflex.us](http://www.proflex.us); or e-mail us at [technical@proflex.us](mailto:technical@proflex.us)

#### **8. MAINTENANCE**

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

#### **9. TECHNICAL SERVICES**

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](http://www.proflex.us)

## 10. FILING SYSTEM

Division 9