

1. PRODUCT NAME

PWA-700

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PROFLEX® PWA 700 is an engineered adhesive formulated for use in the installation of all types of wood flooring. It is 100% solids (contains no water), is solvent and isocyanate free, and has no negligible VOC content.

Advantages

- Extreme moisture protection, no testing (RH, pH, or MVER) required.
- Excellent bond strength on all wood flooring products including wide/long plank styles.
- Quick and easy installation and clean up.
- Quiets floors.
- Health/environmentally conscious formula design. (non-urethane and isocyanates free)
- Suitable for use over all PROFLEX® Peel & Stick Membranes, RCU Membranes, LV-200 Membrane
- Approved for "Rigid Core" LVP

Moisture Protection

PROFLEX® PWA 700 effectively reduces moisture vapor transmission from concrete subfloors. Moisture testing is not required when the slab is properly prepared and fully cured.

Suitable Substrates

PROFLEX® PWA 700 is suitable for use with all engineered, solid, bamboo, cork and parquet flooring recommended for glue-down installation. Its strength of bond ensures adhesive/flooring system security in premium and wide/long plank installations. PROFLEX® PWA 700 is suitable for use over all PROFLEX® Peel & Stick membranes, RCU membranes, and LV-200 membrane. PROFLEX® PWA 700 may be used over all properly prepared substrates common to wood flooring installations, including:

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| <ul style="list-style-type: none">● Concrete and radiant heated subfloors that do not exceed 85°F (30°C)● APA underlayment grade plywood and OSB● Association grade particleboard● Cement backer board● Cementitious and anhydrite screeds● Existing well-bonded non-cushioned-backed vinyl, tile and sheet flooring● Fully secured cork underlayments | <ul style="list-style-type: none">● Gypsum and lightweight concrete (primed with PROFLEX® Super Prime)● Terrazzo (properly prepared with all waxes and surface finishes removed)● Well-bonded residue from cutback adhesive● PROFLEX® Peel and Stick membranes● PROFLEX® RCU Membranes● PROFLEX® LV-200 Membrane |
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Packaging

4 US Gallons

Shelf-Life / Storage

PWA 700 should be stored at temperatures between 50°F and 90°F (15° - 32° C). Storage conditions outside this range may cause product viscosity to increase.

Clean-Up

When wet use warm soapy water. When dry use PROFLEX® UAR (Urethane Adhesive Remover)

KEEP OUT OF REACH OF CHILDREN

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately.



Trowel / Coverage Recommendations

One-step application: Moisture Control / Crack Isolation / Sound Reduction & Wood Adhesion:

Flooring Type	Trowel Dimensions	Desired Coverage
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	Up to 20 sq. ft. /gallon
Wood flooring up to 5/8" thick <hr/> Planks less than 6' long and 5" wide	1/4" x 1/4" V-Notch	25 - 30 sq. ft. /gallon

Wood Adhesion Only

Flooring Type	Trowel Dimensions	Desired Coverage
Dry-back Wood Parquet Flooring, cork flooring, cork underlayment	1/8" x 1/8" x 1/8" Square Notch	60-70 sq. ft. /gallon
Engineered and solid hardwood, bamboo, cork-backed hard surface, acrylic impregnated plank	3/16" x 1/4" x 1/2" Flat V-Notch	Up to 50 sq. ft. /gallon

It is the sole responsibility of the contractor/installer to determine the proper porosity of the subfloor, apply the correct amount of adhesive for the job conditions and ensure that all instructions, procedures and practices are strictly adhered to.

4. TECHNICAL DATA

Property	Test Method	Result
Impact Insulation Class (IIC)	ASTM E989-06 / ASTM E492-04	* 52
Sound Transmission Class (STC)	ASTM E90-04 / E413-04	* 51

* Test conducted on 6" concrete slab with NO CEILING assembly.

Product Classification	Modified urethane (Isocyanate free)
Base Chemistry	STPE polymer-based
Curing Method	Moisture cure
Appearance	Off white
Consistency	Smooth, medium viscosity liquid
Application	Easy trowel
Flammability	Non-flammable
Freeze / Thaw	Stable to 10°F (-12°C)
Shelf Life	1 year
Moisture Control	Protects flooring against unlimited moisture
RH	No testing required
pH	No testing required
MVER	No testing required
Open Time	0 min
Dry Time	N/A
Working Time	45 minutes
Cure Time	12 hours
Pot Life	N/A
Light Traffic	12 hours
Heavy Traffic	24 hours
Heavy Rolling Loads	N/A
Solvents	None
Isocyanates	None
VOC (g/L) - SCAQMD Rule#1168	0.1
LEED Points	Contributes to low emitting materials

Certifications	Greenguard, FloorScore
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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).

Directions for Use

Read and understand the following information fully before beginning installation. Follow all industry and flooring manufacturer's recommendations, ie: acclimation, design & layout, and applicability of flooring. Take corrective actions if installation location conditions are not within parameters defined by flooring manufacturer.

Substrate 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.
- Substrates must be level to 3/16" in a 10 ft. span (5 mm in a 3m span)
- Wood substrate must have a moisture content below 12% using a Tramex or Delmhorst wood moisture meter.
- When installing thin gauged solid or engineered wood, to eliminate "telegraphing" of irregular substrates, properly fill and level with a polymer modified cementitious compound, allowing full cure before applying adhesive.

In all application circumstances, substrate, adhesive and wood flooring must be acclimated:

- In an enclosed building with the HVAC operating continuously from 72 hours prior to, during, and after installation completion.
- The temperature and relative humidity must be controllers between 65°F (18°C) and 95°F (35°C), and between 30% and 60% relative humidity, subject to the floor manufacturer's requirements.
- Open time will vary with temperature and humidity and porosity of the substrate.

For untested concrete floors requiring the moisture barrier properties of PWA 700, trowel/coverage guidelines must be adhered to and the following concrete subfloor preparation is required:

- Concrete must be poured in strict accordance with applicable standards and specifications.
- An intact moisture barrier must be present below the concrete.
- Must be fully cured (at least 45 days), dry to the touch and absorbent (drops of water must penetrate surface within one minute).
- 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.
- Must have a concrete surface profile (CSP) of 1-3 ("broom finish")
- Adhesive residue, including cutback adhesive, must be completely removed by shot blasting or diamond grinding to open the concrete and render it absorbent.
- Substrate must be level to 3/16" in a 10 foot span (5mm in a 3m span).

Moisture tested concrete floors not requiring the moisture barrier properties of PWA 700 must comply with the following:

- Moisture levels must be below 3 lbs. per 1,000 square feet per 24 hours (1.36 kg per 92.9 m2 per 24 hours) using an anhydrous calcium chloride test kit according to ASTM F-1869 test method, or below 75% relative humidity tested in accordance with ASTM F-2170.
- The moisture content must be within the limits recommended by the wood flooring manufacturer, generally a maximum of 75% RH. Follow wood flooring manufacturer's guidelines for allowable levels of moisture.

Installation Instructions

1. Follow trowel/coverage application recommendations exactly, particularly when moisture mitigation properties are required.

2. Install wood flooring immediately after adhesive is spread. Working time is approximately 50-75 minutes under appropriate temperature/humidity.
3. Adhesive must contact 100% of the wood floor underside surface. NOTE: Thin-gauged solid & engineered wood and exotic species are very sensitive to job site conditions. Failure to follow flooring manufacturers and PROFLEX® pre installation and installation instructions, including acclimation of the wood flooring, will void all warranty.
4. Initial flooring sections laid into adhesive may exhibit some movement. Secure the initial row to limit movement and secure pattern.
5. Spot check 100% adhesive contact to flooring underside by lifting wood segments occasionally. If proper contact is not achieved, remove dried adhesive and reapply using recommended trowel.
6. The use of tape to temporarily secure abutting edges may be necessary until installation is complete. Wide/long planks may need to be weighted to hold them into the adhesive during curing.
7. When installation near a solid object or wall, leave ample room for expansion. (See flooring manufacturer's recommended expansion guidelines).
8. When the installation is complete, wedge flooring near walls/fixed objects to hold in place during initial setting. Remove wedges after approximately 2 hours to allow for normal expansion of wood.
9. Roll and cross roll floor with 100-150 lb. (45-70 kg) roller at the end of the installation to ensure proper adhesive contact with flooring underside.
10. On unfinished wood flooring, do not sand until a minimum of 72 hours after installation.
11. When installing over radiant heated subfloors, turn the heat off continuously for 24 hours prior to and 24 hours after installation. Floor temperature must not exceed 85°F (30°C) or working time may be impacted.
12. Restrict light traffic for a minimum of 16 hours and heavy traffic for a minimum of 24 hours after installation is complete.
13. PWA 700 is freeze-thaw stable but protection from freezing is desirable.

6. AVAILABILITY

PROFLEX® Products are available nationwide.

To locate PROFLEX® products in your area, please contact:

Phone: 877-577-6353

Website: 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 877-577-5353, email technical@proflex.us or visit our website at www.proflex.us

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