



# Wood Assure™ Premium Urethane Wood Flooring Adhesive and Moisture Barrier

## 1. PRODUCT NAME

TEC® Wood Assure™ Premium Urethane Wood Flooring Adhesive and Moisture Barrier (804)

## 2. MANUFACTURER

H.B. Fuller Construction Products Inc.  
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## 3. DESCRIPTION

TEC® Wood Assure™ Premium Urethane Wood Flooring Adhesive and Moisture Barrier is a premium, one-component, urethane adhesive membrane that requires no pre-installation moisture testing\*. This product can be used as an adhesive as well as a moisture vapor barrier. TEC® Wood Assure™ is ideal for all types of engineered, solid or acrylic impregnated wood flooring and bamboo flooring, designed to be installed using the glue down installation method. When used as an adhesive and moisture barrier, Wood Assure™ reduces moisture to acceptable limits.

### Key Features and Benefits

- No moisture testing needed
- Easy to trowel
- Sound deadening capabilities

### Packaging

3.5 gallon metal pail (13.25 L)

Product #7212591211

### Coverage

Determine recommended trowel size based on flooring type. Coverage will vary with the absorption of substrate and trowel size. Figures below are presented only as guidelines.

Moisture Control Method		
Flooring Type	Recommended Trowel Size	Approximate Coverage
Engineered plank or bamboo 5/8" (16 mm) or less, or 1/2" (12.7 mm) up to 5/8" (16 mm) solid wood planks and shorts	3/16" x 1/4" (4.8 x 6.4 mm) V-notch trowel	35-40 ft <sup>2</sup> /gal. (3.3-3.7 m <sup>2</sup> /3.78 L)
3/4" (19 mm) Solid wood planks and shorts or plywood	1/4" x 1/4" (6.4 x 6.4 mm) V-notch trowel	30-35 ft <sup>2</sup> /gal. (2.8-3.3 m <sup>2</sup> /3.78 L)
Glue Down Only		
Flooring Type	Recommended Trowel Size	Approximate Coverage
Engineered plank or bamboo 1/2" (12.7 mm) or less and less than 7" (178 mm) wide	3/16" x 1/4" x 1/2" (4.8 x 6.4 x 12.7 mm) V-notch trowel	60-70 ft <sup>2</sup> /gal. (5.6-6.5 m <sup>2</sup> /3.78 L)
Engineered plank or bamboo thicker than 1/2" (12.7 mm) or 7" (178 mm) or wider	3/16" x 3/16" x 3/16" (4.8 x 4.8 x 4.8 mm) Square-notch trowel	35-45 ft <sup>2</sup> /gal. (3.3-4.2 m <sup>2</sup> /3.78 L)
Solid wood planks and shorts or plywood	1/4" x 1/4" x 1/4" (6.4 x 6.4 x 6.4 mm) Square-notch trowel	25-30 ft <sup>2</sup> /gal. (2.3-2.8 m <sup>2</sup> /3.78 L)

\*No moisture testing or mitigation needed when there is no visible moisture present.

### Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete slabs
- Cured leveling compounds
- OSB (underlayment grade)
- Radiant heated subfloors
- Plywood (underlayment grade)
- Ceramic tile
- Terrazzo
- Cement backer board

### Substrate Preparation

The subfloor must be checked according to NWFA guidelines. Ensure that the subfloor is structurally sound, cured smooth, dry, clean and free from dust, dirt, grease, old adhesive, curing agents, sealers, cutback or any other contaminants that could interfere with a good adhesive bond.

**Concrete Slab:** Must be cured at least 28 days. Do not use in areas subject to hydrostatic pressure or with pre-existing moisture conditions. pH should be between 7-10. The subfloor must be dry to the touch and not visibly damp. Slab must be prepared to receive flooring in compliance with ASTM F710 and NWFA guidelines. Slabs over a year old with high moisture readings indicate a moisture problem related to hydrostatic pressure, broken water pipes, or improper maintenance. These issues are not covered by our warranty.

**Terrazzo:** Surface should be sanded so that all polishes and glaze compounds are stripped. After sanding, thoroughly vacuum, and clean the substrate with mineral spirits and allow to dry before installing the wood flooring.

**APA approved Plywood and OSB Type Subfloors:** Panels must be securely fastened. Eliminate all movement with screws. 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 subfloor materials.

**Radiant Heated Subfloors:** Check flooring manufacturer's specifications to determine if the wood flooring is approved over radiant heated subfloors. Wood Assure™ is approved for use on hydronic system radiant heated subfloors, provided the system is fully embedded in concrete. Lightweight toppings must be primed first. Turn off the heat 48 hours prior to the installation and leave the heat off until 48 hours after the installation is completed.

### Storage

Store at 40°-95°F (4.4°-35°C) in a cool, dry location. Protect adhesive from freezing. Refer to the Technical Data section of this PDS, for more information.

### Shelf Life

Maximum of 1 year from date of manufacture in unopened container.

### Limitations

- Do not use where there is hydrostatic pressure
- Indoor use only
- Do not use over substrates or slabs treated with sealers or curing compounds
- Do not use on wet, dusty, contaminated or brittle substrates

### Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

**4. TECHNICAL DATA**

**Physical Properties**

TEC® Wood Assure™ Premium Urethane Wood Flooring Adhesive and Moisture Barrier (804)	
Description	
VOC Content	No VOCs
pH	N/A
Consistency	Creamy liquid
Trowelability	Smooth
Shelf Life	One year in unopened container
Storage	40°-95°F (4.4°-35°C) in a cool, dry location
Application Temperature	65°-95°F (18°-35°C)
Traffic Restrictions	Foot traffic after 8 hours; heavy traffic after 24 hours
Open Time	Up to 45 minutes, depending on ambient conditions
Freeze/Thaw Stability	Store above 40°F (4.4°C) in a cool, dry location
Acoustical Data	6" slab without drop ceiling: 52 dB STC ASTM E 90-09 50 dB IIC ASTM E 492-09 6" slab with a drop ceiling: 63 dB STC ASTM E 90-09 66 dB IIC ASTM E 492-09

**5. INSTALLATION INSTRUCTIONS**

**Application**

**Installing Wood Flooring with no pre-installation moisture testing:**

1. Subfloor must be flat 3/16" (4.8 mm) in 10' (3.05 m) radius or 1/8" (3.2 mm) in 6' (1.8 m) radius.
2. Follow all manufacturer's instructions and guidelines.
3. Reference trowel chart for proper trowel.
4. Trowel the adhesive parallel to wood flooring in 2'-3' (.6-.9 m) sections and place wood immediately into adhesive. Spread adhesive beyond where the last row of flooring stops to ensure there are no voids between stopping and starting points. 100% adhesive coverage is required for moisture protection.
5. Repeat steps 3-4.
6. Trowels will wear down over time and must be changed to achieve correct coverage.

**Glue down only application:**

1. Subfloor must be flat 3/16" (4.8 mm) in 10' (3.05 m) radius or 1/8" (3.2 mm) in 6' (1.8 m) radius. Subfloor moisture levels must not exceed wood flooring manufacturer's guidelines. If it does, use the moisture control method.
2. Follow all manufacturer's instructions and guidelines.
3. Reference the trowel chart and select the correct trowel for your application.
4. Do not spread more adhesive than can be covered within 30-45 minutes.
5. Good transfer of the adhesive to the wood is critical. Coverage should be approximately 90%. Pull back a newly installed board periodically and inspect the coverage.
6. Trowels will wear down over time and must be changed to achieve correct coverage.

**Clean-up**

Remove the adhesive from the wood floor surface as soon as possible before the adhesive dries. Use a soft cloth and mineral spirits carefully to not harm the finish. Clean equipment and tools with mineral spirits while the adhesive is still wet.

**6. AVAILABILITY**

TEC® Premium Installation Products are available nationwide. To locate TEC® products in your area, please contact:  
Phone: 800-832-9002  
Website: tecspecialty.com

**7. WARRANTY**

For warranty details, contact your sales associate or visit tecspecialty.com.

**8. MAINTENANCE**

Not applicable

**9. TECHNICAL SERVICES**

**Technical assistance**

Information is available by calling the Technical Support Hotline.  
Toll Free: 800-832-9023  
Fax: 630-952-1235

**Technical and safety literature**

To acquire technical and safety literature, please visit our website at tecspecialty.com.

**10. FILING SYSTEM**

Division 9



tecspecialty.com



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