Wood Secure™ Premium Wood Adhesive

1. PRODUCT NAME

TEC® Wood Secure™ Premium Wood Adhesive

2. MANUFACTURER

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3. DESCRIPTION

TEC Wood Secure is a game-changing, ultra-high performance wood flooring adhesive specifically designed to provide unmatched moisture vapor control combined with super-easy cleanup and simple, non-destructive hollow spot repair. This versatile "everyday" adhesive is suitable for solid, engineered and parquet wood flooring as well as crumb rubber underlayments. Wood Secure provides robust adhesion while allowing fast board replacement without the subfloor destruction typically seen with urethane adhesive installations. The unique multi-polymer formula contains no isocyanates and can be used for above and below grade installations.

Key Features and Benefits

- Ultra-low moisture vapor permeability for unlimited subfloor moisture control
- No moisture testing required when installed using the Moisture Control Method
- Most "hollow areas" can be corrected, WITHOUT expensive and time-consuming drilling and injecting process
- Extra "roll-on" moisture barriers are not needed when installed using the Moisture Control Method
- Installer friendly, easy to trowel and clean up, even after the adhesive is dried and completely cured
- Can be used to glue down ¾" solids (up to 18" long)
- Provides easy board replacements, compared to urethane adhesives
- Excellent elongation, it will bridge subfloor cracks up to ⅛"
- Can be used to glue down recycled rubber and cork sound control underlayment products, up to 5 mm thick
- Environmentally friendly, no alcohol or solvents, no "Red List" components

Packaging

4 gallon pail (15.1 L)   Product #10014526

Coverage

Coverage and spread rates are estimated, and may vary according to the subfloor conditions and user technique.

Flooring Type	Trowel Size	Approximate Coverage
Moisture Control Method		
Engineered Wood And ¾" Solid-Shorts up to 18" Long	¼" x ¼" (6.4 x 6.4 mm) V-notch trowel	30-35 ft²/gal. (0.7-0.9 m²/L)
Glue Down Only Method		
Engineered Wood	³⁄₁₆" x ¼" x ⁵⁄₁₆" (4.8 x 6.4 x 7.9 mm) Flat V-notch trowel	50-60 ft²/gal. (1.2-1.5 m²/L)

Flooring Type	Trowel Size	Approximate Coverage
For use with Acoustic Underlayment		
For Gluing Sound Control Materials to the Subfloor	¹⁄₁₆" x ¹⁄₁₆" (1.6 x 1.6 mm) U-notch trowel	165-175 ft²/gal. (4.0-4.3 m²/L)

Suitable Substrates

- Concrete
- Portland based underlayment
- Properly prepared gypsum; with two coats of primer applied
- OSB, including ADVANTECH BOARD
- APA Approved Plywood
- Terrazzo that is properly prepared; sanded to open the porosity, vacuumed, then cleaned with mineral spirits or alcohol
- Fiber Cement Underlayment
- Radiant Heated Subfloors

Surface Preparation

All substrates must be sound, clean and free of contaminants such as dust, paint, oil, wax, water repellants, curing agents or adhesive residues that may prevent or reduce adhesion. The floor must be flat within ³⁄₁₆" in 10' or ⅛" in 6'. Concrete surfaces must be porous with no visible standing water.

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 absorptive, dry to the touch, and not visibly damp. Pre-installation moisture testing is not required when installing by the Moisture Control Method. For Glue Down Only installations, verify that concrete moisture measures ≤4.0% MC using a Tramex meter or is below the flooring manufacturer's requirements for % RH (ASTM F 2170) or MVER (ASTM F 1869). 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 manufacture's specifications to determine if the wood flooring is approved over radiant heated subfloors. Wood Secure 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.

**Cutback Adhesive Residue (non-asbestos) – Application over asphalt-based cutback adhesive residue is acceptable provided the residue is well bonded. Subfloor preparation of the existing cutback adhesive requires only that the ridges or high spots be knocked off, typically with 1-3 passes of a mechanical scraper. NOTE: Mechanical removal of cutback by sanding, grinding or blasting can be hazardous since old cutback adhesive may contain asbestos. Harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Consult all applicable government agencies for rules and regulations concerning the removal of floorings and adhesives that contain asbestos. Tacky or pressure-sensitive adhesive must be mechanically removed by a method such as shot blasting.

Storage

Store at temperatures between 40°-95°F (4°-35°C) in a dry location.

Product Data

Shelf Life

Maximum of 2 years from date of manufacture in unopened container.

Limitations

- For interior installations only.
- Do not use with MDF/HDF Core Engineered Wood flooring.
- Do not install over adhesive residue including cutback.
- Do not use with solid Bamboo flooring.
- Do not install when ambient temperature is not between 60°-95°F (16°-35°C).
- Do not install when ambient relative humidity is above 65%.
- It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

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 Secure Premium Wood Adhesive

Description	
Base	H.B. Fuller Proprietary Technology
Color	Tan
VOC Content	<8 g/L
Consistency	Thick Paste
Trowelability	Smooth
Shelf Life	Two years in unopened container
Storage Conditions	40°-95°F (4°-35°C) in a dry location
Application Temperature	55°-95°F (18°-35°C)
Traffic Restrictions	Light foot traffic after 8 hours Heavy traffic in 24 hours
Open Time/Working Time	40-60 minutes, depending on ambient conditions
Freeze/Thaw Stability	Up to 5 cycles at 10°F (-12°C)

5. INSTALLATION INSTRUCTIONS

Application

Always follow the wood flooring manufacturer's guidelines for subfloor moisture, subfloor levelness, expansion space and acclimation requirements.

1. **VERY IMPORTANT:** Select the correct trowel for the flooring type and subfloor moisture conditions from the trowel chart above.
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 100% adhesive coverage for moisture protection installations and at least 90% coverage for glue down-only in installations.
4. HVAC must be operational.

Clean-up

Wet adhesive can be removed with soap and water. Partially dry or dried adhesive requires mineral spirits to clean. **CAUTION:** Mineral Spirits are flammable. Read and follow all precautions on container label.

6. AVAILABILITY

TEC premium surface preparation, tile, stone, carpet, wood and resilient floor covering installation products are available nationwide. To locate TEC products in your area, please contact:

Phone: 800-832-9002
Website: tecspecialty.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical and safety literature

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

10. FILING SYSTEM

Division 9

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