



Wood Endure™ Advanced Performance Wood Flooring Adhesive

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1. PRODUCT NAME

TEC® Wood Endure™ Advanced Performance Wood Flooring Adhesive
(806)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.832.9023 Technical Support
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION

TEC Wood Endure Advanced Performance Wood Flooring Adhesive is a ground-breaking development in wood flooring adhesives that requires no pre-installation moisture testing*. Wood Endure can bridge cracks up to 1/8" and it is an environmentally friendly formulation, is easy to trowel and suitable for all green building projects.

It can be used for all types of engineered, solid or acrylic impregnated wood flooring and bamboo flooring, crumb rubber and cork acoustic underlayments, designed to be installed using the glue down installation method. When used as an adhesive and moisture barrier, WoodEndure reduces moisture to acceptable limits.

*No moisture testing is required when installed using the Moisture Control Method.

Key Features and Benefits

- Sound reduction properties – Exceeds building code requirements
- No moisture testing needed
- Easy to clean
- Greater bond strength and superior initial strength
- No width or length limitations – Ideal for large planks

Packaging

1 gallon plastic pail (3.78 L)	Product #15036210
3.5 gallon plastic pail (13.25 L)	Product #15018415

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.

Flooring Type	Recommended Trowel Size	Approximate Coverage
Moisture Control Method		
Parquet, engineered or solid plank or bamboo	1/4" x 1/4" (6.4 x 6.4 mm) V-notch trowel	30-35 ft ² /gal. (2.8-3.25 m ² /3.78 L)
Glue Down Only		
5/16" (7.9 mm) Fingerblock parquet	1/8" x 1/8" x 1/8" (3.2 x 3.2 x 3.2 mm) Square-notch trowel	55-65 ft ² /gal. (5-6 m ² /3.78 L)
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) Flat V-notch trowel	60-70 ft ² /gal. (5.6-6.5 m ² /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 ² /gal. (3.3-4.2 m ² /3.78 L)
Solid wood plank, 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 ² /gal. (2.3-2.8 m ² /3.78 L)
For Use With Acoustic Underlayment		
Crumb rubber or cork underlayment	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) Square-notch trowel	85-95 ft ² /gal. (2.09-2.33 m ² /L)

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, paint, old adhesive, curing agents, sealers, cutback** 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 movement with screws. Sand all high joints. Fill and patch low areas. Refer to 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 flooring is approved over radiant heated subfloors. WoodEndure 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 a moderate room temperature. 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

- Interior use only
- Do not use on wet, dusty or contaminated substrates
- Subfloor must be dry
- Do not use in areas subject to hydrostatic pressure
- Room temperature should be between 65°F (18°C) and 90°F (35°C) during application

Cautions

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

Product Data

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 Endure Advanced Performance Wood Flooring Adhesive (806)	
Description	
Tensile Strength	>100 psi
Elongation	125%
Open Time	65°F-75°F (18°C-24°C) 70-100 minutes
Application Room Temperature	Between 65°F (18°C) and 90°F (35°C)
Flash Point	>200°F (>93.3°C)
Color	White
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).
Acoustical Data	IIC – 69 dB ASTM E 492-09 / ASTM E 9890-6 STC – 67 dB ASTM E 90-04 / ASTM E 413-04

5. INSTALLATION INSTRUCTIONS

Application

Installing Wood Flooring using the Moisture Control Method:

1. Subfloor must be flat [³/₁₆" (4.8 mm) in 10' (3 m) radius or ¹/₈" (3.2 mm) in 6' (1.8 m) radius].
2. Follow all manufacturer's instructions and guidelines
3. Use a ¹/₄" x ¹/₄" (6.4 mm x 6.4 mm) V-Notch 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.

Installing Wood Flooring using the Glue Down Only Method:

1. Subfloor must be flat [³/₁₆" (4.8 mm) in 10' (3 m) radius or ¹/₈" (3.2 mm) in 6' (1.8 m) radius]. Concrete moisture testing must be performed according to ASTM F1869 with levels not to exceed 3lbs/1000ft²/24 hrs (1.3kg/93m²/24hrs) and/or ASTM F2170 with levels not to exceed 75% RH. Subfloor moisture levels must not exceed wood flooring manufacturers guidelines. If it exceeds any of these, use the Moisture Control Method.
2. Follow all manufacturer's instructions and guidelines.
3. Reference trowel selection for correct trowel for your application.
4. Do not spread more adhesive than can be covered within 30-45 minutes.
5. Periodically check to ensure there is 90% adhesive transfer to the board.

6. Trowels should be changed regularly.

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.

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



To learn more, visit TECSpecialty.com



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