



POLYURETHANE WOOD FLOOR ADHESIVE

1. PRODUCT NAME

Woodtech The Hardwood Glue™
Polyurethane Wood Floor Adhesive

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

3. DESCRIPTION

Woodtech is a high-performance one-component moisture cure urethane adhesive with the exclusive NO HOLLOW SPOT™ technology. Woodtech combines superior ridge retention with powerful bond strength and ease of troweling. Woodtech provides subfloor moisture control up to 95% RH and 15 lbs. MVER when the Moisture Control installation method is used.

Key Features and Benefits

- NO HOLLOW SPOT technology
- Extremely easy to trowel
- Moisture control up to 95% RH and 15 lbs. (6.80 kg) MVER
- Superior ridge retention
- Contains no water
- Powerful urethane bond strength
- Outstanding green strength
- Easy to clean
- LEED® Qualified & California Proposition 65 Compliant

Packaging

5 gallon pail (18.9 L) Product #146-5 US GAL
3.5 gallon pail (13.2 L) Product #146-3.5 US GAL
30 oz. cartridge (0.89 L) Product #146-30 FL OZ

Coverage

Quantities shown below are approximate only. Actual coverage may vary according to substrate conditions and types of trowel used.

| Glue Down Only Method | | |
|---|--|-----------------------------|
| Flooring Type | Recommended Trowel Size | Approximate Coverage |
| 5/16" Fingerblock Parquet | 1/8" x 1/8" x 1/8" Square-notch trowel | 55-65 ft ² /gal. |
| Engineered Plank or bamboo 1/2" or less and less than 7" wide | 3/16" x 1/4" x 1/2" V-notch trowel | 60-70 ft ² /gal. |
| Engineered Plank or bamboo thicker than 1/2" or 7" or wider | 3/16" x 3/16" x 3/16" Square-notch trowel | 35-45 ft ² /gal. |
| Solid Wood Plank, shorts or plywood | 1/4" x 1/4" x 1/4" Square-notch trowel | 30-40 ft ² /gal. |
| Moisture Control Method | | |
| Flooring Type | Recommended Trowel Size | Approximate Coverage |
| Parquet, engineered or solid plank or bamboo | 1/4" x 1/4" V-notch trowel | 30-35 ft ² /gal. |
| For Use With Acoustic Underlayment | | |
| Flooring Type | Recommended Trowel Size | Approximate Coverage |
| Crumb rubber or cork underlayment | 1/16" x 1/16" x 1/16" Square-notch trowel | 85-95 ft ² /gal. |

Typical Applications

Woodtech is ideal for glue-down installations on all grades of all types of engineered, solid or acrylic impregnated wood flooring, bamboo and wood flooring to all subfloors common to wood flooring. Woodtech is also approved for use with crumb rubber and cork underlayments up to 5mm in thickness.

Subfloor Preparation

Woodtech can be used over subfloors that meet the National Wood Flooring Association (NWFA®) standards: concrete, plywood, OSB, terrazzo, and ceramic. If the type of subfloor that you want to apply Fortane LD to is not NWFA approved, please contact an H.B. Fuller Construction Products Inc. technical representative for instructions. Ensure that the subfloor is structurally sound, smooth, dry, properly cured, clean and free from dust, dirt, grease, oil, plaster, paint, old adhesive, wax, curing agents, sealers, cutback or other asphaltic-based residue and any other contaminants that could interfere with a good adhesive bond. For application of Woodtech over ceramic tiles, it is necessary to grind the tile surfaces and clean thoroughly with an industrial vacuum cleaner. Before starting the installation, carefully check that the subfloor is flat. Eliminate dips and crowns that exceed 3/16" (4.8 mm) in a 10-foot (3 m) radius by patching or sanding/grinding. Do not use Fortane LD as a leveling agent. Where needed, use only Portland cement based patching and leveling compound. Always follow the wood manufacturers' recommendations for subfloor moisture, subfloor levelness, expansion space and acclimation requirements. Repair all cracks in the subfloor greater than 1/8" (3 mm) before applying Woodtech. Moisture tests must be performed on all concrete subfloors regardless of grade level or age. Moisture testing must be performed in accordance to ASTM F-1869 – Calcium Chloride Test, or ASTM F-2170 – in situ RH Probe Test. Always refer to the wood flooring manufacturer for subfloor moisture requirements and testing procedures before proceeding with the installation.

Terrazzo: All polishes and glaze compounds must be completely stripped, and surface must be abraded by sanding. After sanding thoroughly vacuum (NO sweeping), to remove all loose dust particles. After vacuuming clean the entire substrate with mineral spirits and allow drying before installing the wood flooring.

Plywood and OSB Type Subfloors: All panels must be APA approved and securely fastened. Eliminate all squeaks and movement with SCREWS (not nails). 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 subflooring materials. (Typically should not exceed 4%)

Radiant Heated Subfloors: Woodtech is approved for use on hydronic system radiant heated subfloors, provided the wood flooring is approved over radiant heated subfloors. The system must be fully embedded in concrete. Lightweight or gypsum-based topping must be primed for glue down installation. 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°F to 95°F (5°C to 35°C) in a dry location. Refer to the Technical Data section of this PDS, for more information.

Shelf Life

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

Limitations

- For interior installations only.
- Do not install over adhesive residue including cutback.
- Do not install when ambient temperature is not between 60°F & 95°F (15°C & 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.
- Do not install when subfloor moisture vapor exceeds 95% RH (ASTM F2170) or MVER exceeds 15 lbs. per 1000ft² (6.80 kg per 92.9m²) per 24 hrs (ASTM F1869).

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 Fortane 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

Woodtech Polyurethane Wood Floor Adhesive

| Description | |
|-------------------------|--|
| Base Polymer | Urethane Adhesive |
| Color | Cream |
| VOC Content | <100 grams per liter |
| Consistency | Creamy liquid |
| Trowelability | Smooth |
| Shelf Life | 1 year from date of manufacture in unopened pail |
| Storage | 40° to 95°F (5°-35°C) in a dry location |
| Application Temperature | 65°-95°F (18°-35°C) |
| Open Time | Up to 45 minutes, depending on ambient conditions |
| Freeze/Thaw Stability | Store above 40°F in a cool dry location |
| Acoustical Data | Without drop ceiling: 50 dB IIC With drop ceiling: 69 dB IIC 66 dB STC |

5. INSTALLATION INSTRUCTIONS

Application

Glue Down Only Method

1. Reference the trowel chart in this Product Data Sheet and select the correct trowel for your application in the Glue Down Only Method section.
2. Do not spread more adhesive than can be covered within 30-45 minutes.
3. Adhesive working time and open time vary depending on temperature, humidity, and substrate.
4. Good transfer of the adhesive to the flooring is critical. Coverage should be at least 90%. Pull back a newly installed board periodically and inspect for proper coverage.
5. Trowels will wear down over time and must be changed regularly to achieve correct coverage.

Glue Down Only Method

1. Reference the trowel chart in this Product Data Sheet and select the correct trowel for Moisture Control Method.
2. Trowel the adhesive parallel to wood flooring in 2'-3' (.6-.9 m) sections and place wood immediately into wet 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 of subfloor is required for moisture protection.
3. Repeat step 2 to complete floor installation. Trowels will wear down over time and must be changed regularly to achieve correct coverage.

Clean-up

Using adhesive remover, remove any Woodtech smudges from the wood floor surface as well as tools and equipment before the adhesive dries. Carefully use a soft cloth to remove Woodtech while it is still wet to not damage the floor.

6. AVAILABILITY

Fortane products are available nationwide. To locate Fortane products in your area, please contact:
Phone: 800-832-9002
Website: fortane.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 woodtechglue.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 woodtechglue.com.

10. FILING SYSTEM

Division 9

to learn more, visit
woodtechglue.com