


PARABOND®

Millennium Series 4010

Urethane Wood Flooring Adhesive

Millennium Series

DESCRIPTION:

Millennium Series 4010 Urethane Wood Flooring Adhesive is a moisture cure urethane formulated for fast grab with excellent green strength to prevent boards from slipping in wet adhesive. Millennium Series 4010 provides subfloor moisture control up to 95% RH and 15 lbs. MVER when the Moisture Control installation method is used. It has extremely strong shear and tensile strength yet remains elastic and elongates to prevent breaking the bond to the subfloor under natural wood movement, making it the perfect adhesive to accommodate the exotic woods that expand and contract substantially with changes in humidity. The low slump formulation of Millennium Series 4010 allows trowel ridges to hold their form reducing hollow spots and costly repair time and expense. MS 4010 is suitable for installing all types and brands of hardwood flooring designated as "glue-down" by the wood manufacturer. Millennium Series 4010 is low in odor and VOC compliant.

INSTALLING THE FLOOR:

Always follow the wood manufacturer's recommendations for subfloor moisture, subfloor levelness, expansion space and acclimation requirements. All subfloors must be smooth within 3/16" in 10' and structurally sound, clean, dry, smooth, and free of dust, wax, oils, paint, curing agents and any other contaminants that would interfere with a good bond. HVAC must be operational.

Moisture tests must be performed on all concrete subfloors. Moisture testing must be performed in accordance to ASTM F-1869 – Calcium Chloride Test, or ASTM F-2170 – in situ RH Probe Test. For installations with moisture levels higher than 95% RH or 15 lbs. (6.80 kg) use Parabond Millennium Series EMC 4011 adhesive, which provides unlimited moisture protection.

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.

Moisture Control 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.

ADDITIONAL APPLICATIONS:

Approved for use with rubber tile, rubber stair treads & nosings and recycled rubber flooring. Most applications require a 1/16" square notched trowel.

RECOMMENDED SUBSTRATES:

- Concrete
- Portland Based Underlayments
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Subfloors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

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.

CAUTION: Mineral spirits are flammable. Read and follow all precautions on container label.

RESTRICTIONS:

1. For interior installations only.
2. Do not install over adhesive residue including cutback.
3. Do not install when subfloor moisture vapor exceeds 95% RH (ASTM F2170) or MVER exceeds 15 lbs. per 1000 ft² (6.80 kg per 92.9 m²) per 24 hrs (ASTM F1869).
4. Do not install when ambient temperature is not between 60°F & 95°F.
5. Do not install when ambient relative humidity is above 65%.
6. It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

PACKAGING:

- 5 Gallon Pail
- 4 Gallon Pail







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 parabond.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 the bottom of this Product Data Sheet.



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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.



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Technical Data	
Base	Urethane Adhesive
Color	Cream
VOC Content	<100 grams / Liter
pH	N/A
Consistency	Creamy Liquid
Trowelability	Smooth
Shelf Life	One year in unopened container
Storage	40°-95°F 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 in a cool dry location



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