



Millennium Series 4011 Easy Moisture & Sound Control Adhesive

Millennium Series

DESCRIPTION:

Millennium Series 4011 Easy Moisture and Sound Control Adhesive (EMC) is a premium one-part moisture cure urethane adhesive that can reduce installation labor up to half. EMC 4011 provides adhesion, moisture control and sound control when applied with the patented specially designed trowel provided with each pail.

EMC 4011 can be used for glue-down installations of solid, engineered, acrylic impregnated, parquet, and bamboo wood flooring recommended by the wood flooring manufacturer for glue-down applications. (Bamboo wood floors are highly susceptible to ambient Relative Humidity levels and may exhibit excessive cupping independent of subfloor moisture levels.)

EMC 4011 can be used on, above or below-grade.

Subfloor must be dry to the touch with no standing water or visible dampness. EMC 4011 provides a subfloor moisture protection feature. Moisture testing is not required prior to using EMC. EMC 4011 does not have a maximum subfloor MVER criteria for concrete slabs. However, extreme high moisture in the concrete can result in severe structural damage to the building and create serious health risks for its occupants. We recommend identifying and eliminating the source of extreme moisture before proceeding with the EMC 4011 installation.

EMC 4011 must be applied according to the installation instructions found on the label and technical data sheet using the patented EMC 4011 trowel. Important: To insure optimal moisture control, the new trowel blade must be used with each pail to minimize wear and insure proper metering of the adhesive to the subfloor.

INSTALLING THE FLOOR:

Always follow the wood manufacturer's recommendations for layout, expansion space and acclimation requirements. All subfloors must be smooth within 1/8" 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.

1. Subfloor must be in compliance with written instructions on label and TDS before starting the installation.
2. Follow the wood manufacturer's instructions for acclimation, floor layout and expansion space requirements. It is imperative the subfloor be flat, without dips, birdbaths or sudden rises. It must not exceed 1/8" in 10'.
3. Remove the blade from the pail lid and insert into the Gundlach Injecta-Blade trowel handle. The use of any other applicator or trowel will void all warranties and yield unsatisfactory results. **EXTREMELY IMPORTANT: When the pail is empty, discard the old blade and insert the new blade provided with each new pail.**
4. Snap a "chalk-line" and spread a comfortable working width of EMC 4011 on the subfloor. For best results spread the adhesive parallel to the wood flooring. This will maximize spread rate and improve the performance of the product. **ALWAYS SPREAD ADHESIVE BEYOND THE CHALK LINE**

TO ENSURE THERE ARE NO VOIDS BETWEEN YOUR STOPPING AND STARTING POINTS. ANY ADHESIVE PAST THE EDGE OF THE WOOD FLOORING CAN BE SCRAPED TO ENSURE A PROPER STARTING POINT FOR THE NEXT DAY. ENSURE FRESH ADHESIVE IS APPLIED AS CLOSE AS POSSIBLE TO EXISTING FLOORING.

5. Immediately install the wood flooring.
6. It is not necessary to roll the floor. The EMC trowel will provide adequate "seal" without rolling.
7. Repeat steps 3 – 6 until the job is complete

RECOMMENDED SUBSTRATES:

- Concrete
- Portland Based Underlayments
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Subfloors

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. Concrete substrate must be flat, not to exceed 1/8" in 10' radius.
3. Do not install over adhesive residue including cutback.
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:

- One 5 Gallon Pail
- New EMC Trowel Blade Attached To Each Lid

COVERAGE:

- 40-45 SF PER GALLON

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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Technical Data	
Base	Urethane
Color	Light Brown
VOC Content	99 grams / Liter
pH	N/A
Coverage	40-45 SF Per Gallon
Consistency	Creamy Paste
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
Tensile Strength ASTM D 412	350-475 psi
Elongation ASTM D 412	>20%
Tear Strength ASTM D 624	70-85 pli
Full Cure Hardness ASTM D 2240	75-90 Shore A
Acoustical Data	Without drop ceiling: 48 dB IIC With drop ceiling: 68 dB IIC 59 dB IIC



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