DESCRIPTION

Ultrabond ECO 975 is a 100%-solids, one-component, moisture-cured, urethane adhesive specifically designed for the installation of domestic solid and engineered wood flooring.

FEATURES AND BENEFITS

• 100%-solids formulation; moisture-cured and with no solvent added
• Low-odor formula with negligible volatile organic compound (VOC) content
• Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding

WHERE TO USE

• For use with domestic solid and engineered wood flooring of any width and length; finger-block parquet; acrylic impregnated wood and laminated plank; reground rubber underlayments; and cork underlayments
• Interior, residential applications (such as rental apartments, condominiums and homes)
• Interior commercial applications (such as general office areas, hotel rooms and small retail stores)
• Interior, heavy-commercial applications (such as hotel lobbies, convention centers, airports and department stores)
• Interior, institutional applications (such as hospitals, schools, universities, libraries and government buildings)

LIMITATIONS

• Do not install over any substrates containing asbestos.
• For interior installations only
• Not recommended for flooring designed for nail-down installations only
• Not recommended for bamboo flooring or prefinished cork flooring
• Do not apply over any adhesive residues, including cutback adhesive.
• Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
• Do not install when the relative humidity (RH) of the concrete slab exceeds 80% (ASTM F2170).
• Do not install in areas with known hydrostatic moisture problems.
• Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient RH is between 20% and 80%.
• Do not install unless the temperature of the prepared concrete slab is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point to avoid condensation.

SUITABLE SUBSTRATES

• Exterior-grade plywood, Group 1, CC type and other approved wood underlayments (per manufacturer recommendations)
• Concrete and cement terrazzo
• Cement-based, self-leveling underlayments and patching compounds
• Primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength
• MAPEI’s Mapesonic™ RM sound-reduction membrane
• Existing ceramic tile
• MAPEI epoxy moisture barriers and concrete treated with a single coat of MAPEI’s Planiseal™ PMB polyurethane moisture barrier and bonding agent, which creates 100% moisture barrier

Consult MAPEI’s Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION
• All substrates must be properly prepared, structurally sound, dry, solid and stable.
• Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.

See MAPEI’s general “Surface preparation requirements” reference guide in the Related Documents section of the Floor Covering Installation Systems page on MAPEI’s Website.

MIXING
Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.
• Ready to use; no mixing is necessary.

PRODUCT APPLICATION
Read all installation instructions thoroughly before installation.
1. Spread Ultrabond ECO 975 evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. Only apply as much as can be installed over within 30 to 50 minutes.
3. Install wood flooring per the manufacturer’s written instructions.
4. Periodically confirm the adhesive transfer to the backing by lifting the flooring material.
5. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

CLEANUP
• Ultrabond ECO 975 is extremely difficult to remove when cured. Immediately clean any adhesive smudges from tools and the flooring material’s surface with Ultrabond® Urethane Cleaner while the adhesive is still fresh/wet.

PROTECTION
• Protect from light traffic for 6 hours, and from heavy traffic for 12 hours.
## Product Performance Properties

<table>
<thead>
<tr>
<th>Laboratory Tests</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer type</td>
<td>Moisture-curing polyurethane</td>
</tr>
<tr>
<td>Solids content</td>
<td>100%</td>
</tr>
<tr>
<td>VOCs (Rule #1168 of California’s SCAQMD)</td>
<td>15 g per L</td>
</tr>
<tr>
<td>Flash point (Tag, closed cup) – ASTM D56</td>
<td>&gt; 212°F (100°C)</td>
</tr>
</tbody>
</table>

## Shelf Life and Product Characteristics

<table>
<thead>
<tr>
<th></th>
<th>1 year when stored in original, unopened packaging at 73°F (23°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelf life</td>
<td></td>
</tr>
<tr>
<td>Consistency</td>
<td>Buttery</td>
</tr>
<tr>
<td>Color</td>
<td>Tan</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>40°F to 100°F (4°C to 38°C)</td>
</tr>
</tbody>
</table>

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

## Application Properties

<table>
<thead>
<tr>
<th></th>
<th>0 minutes</th>
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</thead>
<tbody>
<tr>
<td>Flash time†</td>
<td></td>
</tr>
<tr>
<td>Working time††</td>
<td>30 to 50 minutes</td>
</tr>
<tr>
<td>Adjustability time†††</td>
<td>1.5 to 2 hours</td>
</tr>
</tbody>
</table>

† Flash time is the waiting time required before installing flooring.
†† Working time is the window of time for the adhesive to accept flooring.
††† Adjustment time is the window of time during which the floor covering can be repositioned without compromising the adhesive’s bond.

Note: Flash time, working time and adjustment time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

## Packaging

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal pail: 5 U.S. gals. (18.9 L)</td>
</tr>
</tbody>
</table>

## Approximate Coverage*

<table>
<thead>
<tr>
<th>Flooring Type</th>
<th>Typical Trowel</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reground rubber and cork underlayments</td>
<td>1/16&quot; x 1/16&quot; x 1/16&quot; (1.5 x 1.5 x 1.5 mm), square-notch</td>
<td>125 to 185 sq. ft. per U.S. gal. (3.06 to 4.53 m² per L)</td>
</tr>
<tr>
<td>Finger-block parquet</td>
<td>1/8&quot; x 1/8&quot; x 1/8&quot; (3 x 3 x 3 mm), square-notch</td>
<td>70 to 80 sq. ft. per U.S. gal. (1.71 to 1.96 m² per L)</td>
</tr>
<tr>
<td>Wood flooring &lt; 1/2&quot; (12 mm) thick</td>
<td>3/16&quot; x 5/32&quot; (4.5 x 4 mm), V-notch</td>
<td>45 to 55 sq. ft. per U.S. gal. (1.10 to 1.35 m² per L)</td>
</tr>
<tr>
<td>Wood flooring 1/2&quot; to 5/8&quot; (12 to 16 mm) thick</td>
<td>1/8&quot; x 1/4&quot; x 1/4&quot; (3 x 6 x 6 mm), square-notch</td>
<td>40 to 50 sq. ft. per U.S. gal. (0.98 to 1.22 m² per L)</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Wood flooring &gt; 5/8&quot; (16 mm) thick</td>
<td>1/4&quot; x 1/4&quot; x 1/4&quot; (6 x 6 x 6 mm), square-notch</td>
<td>30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m² per L)</td>
</tr>
</tbody>
</table>

*Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

**RELATED DOCUMENTS**

Reference Guide: General “Surface preparation requirements” for floor-covering installation systems**

** At www.mapei.com

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI’s commitment to sustainability and transparency, as well as how MAPEI meets the health and well-being requirements of product certification programs, contact the MAPEI Sustainability Team at 1-800-992-6273.