



Ultrabond ECO[®] 711

**Premium Clear,
Thin-Spread VCT
Adhesive**



DESCRIPTION

Ultrabond ECO 711 has been reformulated to provide even faster dry times, enhanced grab and greater slip resistance. Use to install vinyl composition tile (VCT) on approved substrates as well as over an existing single layer of VCT. Now a FastTrack Ready™ product, *Ultrabond ECO 711* has been formulated for higher moisture resistance, making it suitable for use over fresh concrete slabs with moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m²) per 24 hours.

FEATURES AND BENEFITS

- Quick-drying for fast-track VCT installations
- Superior tack and bond to minimize tile movement
- Dries clear so that layout lines remain visible during installation
- High moisture resistance – up to 8 lbs. (3,63 kg) in MVER
- Low-odor formula for use in occupied buildings
- CRI Green Label Plus certified

INDUSTRY STANDARDS AND APPROVALS

- CRI Green Label Plus # GLP84381. Refer to CRI website at www.carpet-rug.org for additional information.
- RFCI IP #2, Recommended Installation Practice for Vinyl Composition Tile (VCT)

LEED Points Contribution

LEED Points

MR Credit 5, Regional Materials* Up to 2 points

IEQ Credit 4.1, Low-Emitting

Materials – Adhesives & Sealants 1 point

** Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.*

WHERE TO USE

- Interior residential (rental apartments, condominiums, etc.)
- Interior commercial (office buildings, cafeterias)
- Interior heavy commercial (shopping malls, grocery stores, department stores)
- Interior institutional (hospitals, schools, universities, libraries, government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Do not use to install nonporous floor coverings over nonporous surfaces.
- Do not use to install solid vinyl flooring products.
- Do not use to install vinyl-backed carpet products.
- Do not apply over any adhesive residues, including outback.
- Do not install when the MVER exceeds 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).

- Do not install when the relative humidity of concrete slabs exceeds 95% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and the ambient relative humidity is below 65%.

SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Embossing levelers applied over existing, properly prepared and fully bonded ceramic tile
- A single layer of properly prepared, fully bonded VCT
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

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

SURFACE PREPARATION

- All substrates must be 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.
- Concrete as well as cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.
- Use anhydrous calcium chloride tests to determine MVERs according to ASTM F1869.
- Concrete slabs exceeding 8 lbs. (3,63 kg) in MVER should be treated with a moisture vapor reduction product. Refer to Technical Data Sheets at www.mapei.com for information on this type of product.
- See MAPEI's "Surface Preparation Requirements" document in the Product Information section of the Floor Covering Installation Systems page on MAPEI's Website.

MIXING

- Ready to use; no mixing is necessary.

Note: Choose all appropriate safety equipment before use. Refer to the (Material) Safety Data Sheet for more information.

PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see "Approximate Product Coverages" section).

3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
4. Allow adhesive to dry until it no longer transfers to the touch (about 30 to 45 minutes).
5. Install flooring.
6. Periodically confirm adhesive transfer to the backing by lifting the flooring material.
7. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

CLEANUP

1. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
2. Clean tools with water while the adhesive is still fresh/wet.
3. Use mineral spirits for cleaning once the product has dried. Use caution with mineral spirits, which may be harmful to some materials.

PROTECTION

Protect from light traffic for at least 24 hours. Protect from heavy traffic for at least 48 hours.

Product Performance Properties

| Laboratory Tests | Results |
|--|--|
| Polymer type | SBR emulsion solution |
| Percent solids | 60% to 65% |
| VOCs (Rule #1168 of California's SCAQMD) | 11 g per L |
| pH | 9 to 10 |
| Trowelability | Light, easy |
| Density | 8.9 lbs. per U.S. gal. (1,05 g per L) |
| Consistency | Creamy |
| Color | Off-white |
| Shelf life | 2 years when stored in original packaging at 73°F (23°C) |
| Storage conditions | 40°F to 100°F (4°C to 38°C) |
| Flash point (Tag) | > 212°F (100°C) |
| Protect from traffic | 24 hours for light traffic; 48 hours for heavy traffic |

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 Tables

| Application Characteristics over Porous Substrates | | |
|--|------------------|----------------|
| | Flash Time† | Working Time†† |
| VCT | 15 to 30 minutes | 8 to 16 hours |

| Application Characteristics over Nonporous Substrates | | |
|---|------------------|----------------|
| | Flash Time† | Working Time†† |
| VCT | 30 to 45 minutes | 8 to 16 hours |

† Flash time is the waiting time required before installation of flooring.


†† Working time is the window of time for the adhesive to accept flooring.

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

Packaging

| Product Code | Size |
|-----------------|-----------------------------|
| Canada 97391000 | Pail: 1 U.S. qt. (946 mL) |
| 97154 | Pail: 1 U.S. gal. (3,79 L) |
| 97164 | Pail: 4 U.S. gals. (15,1 L) |
| Canada 97168 | Pail: 5 U.S. gals. (18,9 L) |

Approximate Coverage*

| Flooring Type | Typical Trowel | Coverage |
|---------------|---|---|
| VCT | 1/32" x 1/16" x 1/32" (1 x 1,5 x 1 mm)  | 250 to 300 sq. ft. per U.S. gal. (6,12 to 7,35 m ² per L) |

* 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.

Ultrabond
ECO 711



RELATED DOCUMENTS

| | |
|---|----------|
| Reference Guide: "Surface Preparation Requirements" for floor-covering installation systems | RGF0409* |
|---|----------|

* At www.mapei.com.

Refer to MAPEI's (M)SDS for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



MAPEI Headquarters of the Americas

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Phone: 1-888-US-MAPEI
(1-888-876-2734)

Technical Services

1-800-992-6273 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service

1-800-42-MAPEI (1-800-426-2734)

Services in Mexico

0-1-800-MX-MAPEI (0-1-800-696-2734)

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For the most current **BEST-BACKED™** product data and warranty information, visit www.mapei.com.

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