



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

MR Credit 5, Regional Materials* Up to 2 points

LEED 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 cutback.
- 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 Safety Data Sheet for more information.

PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see "Approximate 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 m² 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

Ultrabond
ECO 711



RELATED DOCUMENTS

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

* At www.mapei.com

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use,

and the user alone assumes all risks and liability. **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 North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) /
(954) 246-8888

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)

Edition Date: December 4, 2017

PR: 4577 MKT: 17-2323

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

All Rights Reserved. Printed in the USA. © 2017 MAPEI Corporation.