



Ultrabond ECO® 611

Standard Black, Thin-Spread VCT Adhesive

DESCRIPTION

Ultrabond ECO 611 is a traditional, latex-modified asphalt emulsion adhesive specifically designed for the value-conscious installer of vinyl composition tile (VCT). Quick dry times, superb tack and easy trowelability make *Ultrabond ECO 611* an excellent choice for VCT installations. Use over approved substrates including properly prepared existing cutback adhesive residue and existing VCT. *Ultrabond ECO 611* also can be used directly over MAPEI's *Planiseal™ EMB* moisture barrier when installing VCT over it, provided that the surface is smooth and flat.

FEATURES AND BENEFITS

- Superior tack and bond for the ultimate in grab in minimizing tile movement
- Value-priced for the cost-conscious installer
- New lower-odor formula for use in occupied buildings

INDUSTRY STANDARDS AND APPROVALS

- RFCI IP #2, Recommended Installation Practice for Vinyl Composition Tile (VCT)

WHERE TO USE

- For the installation of VCT
- Interior residential (rental apartments, condominiums, homes)
- Interior light commercial (general office areas, small retail stores)
- Interior commercial (office buildings, restaurants, cafeterias)
- 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 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 of concrete slabs exceeds 80% (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 and 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 5 lbs. (2,27 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.

Product Performance Properties

Laboratory Tests	Results
Polymer type	Asphalt emulsion and SBR latex
Percent solids	50% to 60%
VOCs (Rule # 1168 of California's SCAQMD)	86 g per L
pH	9 to 10
Viscosity	15,000 to 40,000 cps
Density	8.9 lbs. per U.S. gal. (1.1 g per L)
Consistency	Low viscosity; creamy
Color	Black
Shelf life	2 years
Working/open time	8 hours
Dry time	30 to 45 minutes or when tacky to the touch
Cure time	24 hours
Flash point (Seta flash)	> 212°F (100°C)

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.

Packaging

Product Code	Size
96153	1 U.S. gal. (3,79 L)
96168	5 U.S. gals. (18,9 L)

Approximate Product Coverage

Flooring Type	Typical Trowel	Coverage*
Thin VCT	1/32" x 1/16" x 1/32" (1 x 1,5 x 1 mm) 	185 to 245 sq. ft. per U.S. gal. (4,53 to 6,0 m ² per L)
1/8" (3 mm) thick VCT	1/16" x 1/16" x 1/16" (1,5 x 1,5 x 1,5 mm) 	125 to 185 sq. ft. per U.S. gal. (3,06 to 4,53 m ² per L)

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

MIXING

- Ready to use; no mixing necessary

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

PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriate notched trowel (see "Approximate Product Coverage" 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 (in about 30 to 45 minutes). Note: Allow extra drying time for the adhesive when installing it over *Planiseal EMB*.
5. Install flooring.
6. 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 once 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.

RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409**
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** At www.mapei.com.

Refer to MAPEI's MSDS 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:



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