



Ultrabond ECO[®] 560

Premium Universal Rubber-Flooring Adhesive



DESCRIPTION

Ultrabond ECO 560 is a proprietary acrylic polymer-based adhesive with enhanced bonding characteristics specifically for rubber sheet and tile flooring. It can also be used to bond solid vinyl sheet, plank and tile; vinyl composition tile (VCT); and felt-backed vinyl sheet flooring. *Ultrabond ECO 560* flashes quickly to its tacky phase and is suitable for use over porous and nonporous substrates. Its unique performance characteristics, non-hazardous components and low volatile organic content make it suitable for use when two-component urethane products cannot be recommended.

FEATURES AND BENEFITS

- Excellent bond strength to rubber flooring
- Resistant to indentation and heavy rolling loads
- Easy trowelability for quick installation
- Low-odor formula for use in occupied buildings
- CRI Green Label Plus certified

INDUSTRY STANDARDS AND APPROVALS

CRI Green Label Plus No. GLP59800

| <u>LEED (Version 3.0) Points Contribution</u> | <u>LEED Points</u> |
|--|--------------------|
| MR Credit 5, Regional Materials* | Up to 2 points |
| IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants | 1 point |

* Using this MAPEI 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

- For the installation of rubber sheet and tile flooring; solid vinyl sheet, tile and plank flooring; felt-backed vinyl flooring; and vinyl composition tile
- For flash-coving solid vinyl, felt-backed vinyl and rubber sheet flooring
- Interior residential (rental apartments, condominiums, homes)
- 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 sheet floor coverings over nonporous surfaces.
- 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).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).



SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per flooring 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 and fully bonded VCT (one layer only)
- Properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419
- Radiant-heat systems that have been properly installed
- Properly prepared gypsum wallboard with paper intact
- Clean, dry well-bonded paint
- Properly prepared wall-patching compounds that are hard, well-bonded and fully cured

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

SUBSTRATE 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.

Refer to MAPEI's Surface Preparation Requirements document for floor-covering installation systems.

MIXING

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

- Ready to use; no mixing necessary

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

Direct bonding

1. Select the appropriately notched trowel (see "Approximate Product Coverage" section).
2. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
3. For flash time and working time, refer to "Application Table."
4. Install flooring in strict accordance with flooring manufacturer's written instructions.

5. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

Flash coving

1. Abrade glossy surfaces for proper bonding.
2. Apply *Ultrabond ECO 560* with a 4" (10 cm) natural bristle brush on the floor as well as up the entire cove area.
3. Allow adhesive to remain open for 30 to 60 minutes or until it no longer transfers to the touch.
4. Install flooring in strict accordance to flooring manufacturer's written instructions.
5. Roll adhered areas with a hand roller and seal seams as recommended by flooring manufacturer.

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 *Ultrabond 5085* adhesive remover or 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 72 hours.
- Building owners should be advised of the flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation.

Product Performance Properties

| Laboratory Tests | Results |
|---------------------------------------|--|
| Polymer type | Vinyl acrylic |
| Percent solids | 55 to 65% |
| VOCs (Rule #1168 California's SCAQMD) | 0 g/L |
| pH | 7 to 9 |
| Trowelability | Light |
| Density | 8.3 lbs. per U.S. gal. (+/- 0,8), 1.0 g per mL (+/- 0.1) |
| 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 (ASTM D56) | > 212°F (100°C) |
| Protect from traffic | 24 hours for light traffic, 72 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 Table

| Application Characteristics over Porous Substrates | | |
|--|--|----------------|
| | Flash† | Working Time†† |
| Rubber sheet flooring* | 0 to 15 minutes | 1 hour |
| Rubber tile | 30 to 60 minutes or until dry to touch | 2 hours |
| Solid vinyl sheet * | 0 to 15 minutes | 1 hour |
| Vinyl backed carpet* | 0 to 15 minutes | 1 hour |
| Vinyl tile | 30 to 60 minutes or until dry to touch | 2 hours |
| Vinyl plank | 30 to 60 minutes or until dry to touch | 2 hours |
| Vinyl composition tile | 30 to 60 minutes or until dry to touch | 2 hours |
| Felt-backed vinyl sheet flooring* | 0 to 15 minutes | 1 hour |

* Sheet flooring must be installed into wet adhesive in order to facilitate flooring placement.

| Application Characteristics over Nonporous Substrates | | |
|---|--|----------------|
| | Flash† | Working Time†† |
| Rubber tile | 30 to 60 minutes or until dry to touch | 2 hours |
| Vinyl tile | 30 to 60 minutes or until dry to touch | 2 hours |
| Vinyl plank | 30 to 60 minutes or until dry to touch | 2 hours |
| Vinyl composition tile | 30 to 60 minutes or until dry to touch | 2 hours |

† Flash is the waiting time required before installing flooring.


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

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

Packaging

| Product Code | Size |
|--------------|-----------------------|
| 95664 | 4 U.S. gals. (15,1 L) |
| 95653 | 1 U.S. gal. (3,79 L) |

Approximate Product Coverage

| Flooring Type | Typical Trowel | Coverage** |
|--|---|---|
| Rubber sheet and tile, vinyl sheet, tile and plank, felt-backed sheet vinyl, vinyl-backed carpet | 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 m² 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

RELATED DOCUMENTS

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

* 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.

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