



Ultrabond ECO[®] 800 Solvent-Free

Pressure-sensitive
flooring adhesive



DESCRIPTION

Ultrabond ECO 800 is a pressure-sensitive type of adhesive that may be applied with a trowel, roller or sprayer. *Ultrabond ECO 800* offers great release characteristics for easy removal and replacement.

USES

For the installation of carpet tile, undercushion pads in a double glue-down application, and solid vinyl tile.

RECOMMENDED SUBSTRATES

- Any wood underlayment that is recommended or guaranteed by either the wood underlayment manufacturer or the floor-covering manufacturer, such as exterior-grade plywood, Group 1, CC type
- Dry concrete
- Noncushioned, fully adhered, embossed vinyl sheet goods, properly leveled using MAPEI's *Planipatch Plus*[™] System (see Technical Data Sheet for details) for light commercial use only
- A single layer of VCT
- Properly prepared cement terrazzo

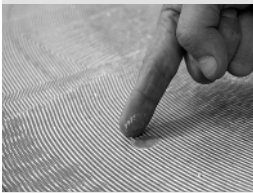
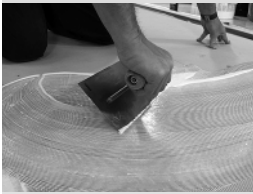
Note: Test all concrete slabs for moisture. If the Moisture Vapor Emission Rating (MVER) exceeds 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869), this adhesive must not be used.

TECHNICAL NOTES

- Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions before beginning installation.
- Do not install where a moisture problem exists.
- Use for interior installations only.
- Not recommended for the installation of vinyl plank. Instead, use *Ultrabond ECO 300*, *Ultrabond[®] G19* or *Ultrabond G21* (see respective Technical Data Sheets for details).
- Do not use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when the relative humidity exceeds 65%.
- Do not apply directly over gypsum-based substrates.

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

Ultrabond ECO® 800



INSTRUCTIONS

1. Surface Preparation

- 1.1 All subfloors must be structurally sound, solid, well-fastened, dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, loosely bonded toppings, loose particles and any other substance or condition that may reduce or prevent adhesion.
- 1.2 Painted surfaces must be sanded and scarified completely to expose the substrate, using appropriate safety precautions.
- 1.3 **Various underlayments**
 - 1.3.1 Concrete subfloors must be dry.
 - 1.3.2 All wooden floors must be well-ventilated from below.
 - 1.3.3 Cement terrazzo must be sound, solid, flawless, stripped clean and free of any contaminants or conditions that may prevent or reduce adhesion. Roughen surface by sanding or scarifying using appropriate safety precautions.
- 1.4 See the "Surface Preparation Requirements" document for details.

2. Application

Note: *Ultrabond ECO 800* may be brush-, roller-, spray- or trowel-applied.

- 2.1 Use a typical notched trowel (see "Technical Data" section) to ensure 90% coverage of the flooring material backing. Use the dry-installation method in tile-over-tile applications and for installations requiring releasability (such as carpet tile). Follow the floor-covering manufacturer's recommendations regarding the proper trowel and application technique.
- 2.2 When installing a floor covering requiring a permanent bond (such as vinyl-backed carpeting), lay the material into the adhesive while it is still fresh.
- 2.3 To ensure that the backing makes complete contact with the adhesive and to remove trapped air, roll the floor-covering manufacturer's recommended roller across the width and length of the flooring surface.
- 2.4 Complete the installation per the instructions of the floor-covering manufacturer.
- 2.5 Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh or with mineral spirits when dried.
- 2.6 Promptly wash hands and tools with water while adhesive is still fresh.
- 2.7 Do not wet-wash floor for five days after tile installation is completed.

3. Expansion and Control Joints

- 3.1 Provide for expansion and control joints where specified.
- 3.2 Do not cover any expansion joints with adhesive.
- 3.3 Cut flooring material on both sides along the edges of expansion joints.
- 3.4 Insert the specified compressible bead and sealant for expansion and control joints, according to plans and specifications.

4. Protection

- 4.1 Protect containers from freezing in transit and storage. This product is freeze/thaw-stable at temperatures down to 0°F (-18°C). However, all water-based products should be protected from freezing. If frozen, material should not be stirred until it has completely thawed.
- 4.2 Provide for heated storage on site and deliver all materials at least 24 hours before work begins.
- 4.3 Restrict traffic for 24 hours to allow proper adhesive setup.

TECHNICAL DATA (based on 73°F [23°C] and 50% relative humidity)

Open time†	20 to 35 minutes
Drying time	24 hours (cure time)
Shelf life.....	24 months when stored in original containers at 73°F (23°C) in a dry, heated area
Freeze/thaw stability as low as 0°F (-18°C)	Stable 5 cycles
Flash point	Nonflammable, solvent-free
Maximum MVER of concrete (ASTM F1869)	3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m ²) per 24 hours
Cleanability	With water while fresh; with mineral spirits when dried
Color	Clear with blue tint
Consistency	Semi-liquid
Health and safety.....	Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

† Open times vary based on temperature, humidity, substrate, trowel size and job-site conditions.

PACKAGING

Pails: 1 U.S. gal. (3,79 L), 3.96 U.S. gals. (15 L)

TYPICAL TROWELS AND APPROXIMATE COVERAGES*

Smooth-Backed Vinyl Products

1/32" x 1/16" x 1/32"	185 to 245 sq. ft./U.S. gal.	
(1 x 1,5 x 1 mm)	(4,53 to 6,0 m ² /L)	

Rough-Backed Vinyl Products (padding to floor)

1/16" x 1/16" x 1/16"	125 to 185 sq. ft./U.S. gal.	
(1,5 x 1,5 x 1,5 mm)	(3,06 to 4,53 m ² /L)	

* Trowel dimensions are depth/width/space. Coverages shown are given for estimating purposes only. Actual job-site coverages may vary according to substrate conditions, type of equipment used, thickness applied, handling and application procedures.

NOTICE

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.**

MAPEI

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Additional Information

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For the most current
product data, visit
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