



Ultrabond ECO[®] 840 Solvent-Free

Quick-drying carpet pad adhesive



DESCRIPTION

Ultrabond ECO 840 is a quick-drying, easy-to-apply adhesive. *Ultrabond ECO 840* offers high tack to securely hold down carpet pads so they don't move while carpet is being stretched into place.

USES

Use to install most types of carpet pad.

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. All wooden floors must be well-ventilated from below.
- Dry concrete
- Cement terrazzo. 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.

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 F1869-98), 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.
- For interior, residential installation only
- Do not use when the substrate temperature is below 50°F (10°C) or above 90°F (32°C), or when relative humidity exceeds 65%.
- Do not apply directly over gypsum-based substrates.

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

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

Open time†	10 to 15 minutes
Drying time	24 hours
Shelf life.....	12 months when stored in original containers at 73°F (23°C) in a dry, heated area
Freeze/thaw stability at 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.....	Light beige
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 and job-site conditions.

PACKAGING

Jug: 1 U.S. gal. (3,79 L)

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 Concrete subfloors must be dry.
- 1.4 See the "Surface Preparation Requirements" document for details.

2. Application

- 2.1 Gently squeeze the container to apply *Ultrabond ECO 840* in an even film onto floor using a zigzag pattern. Caution: Do not to allow adhesive to touch walls.
- 2.2 Allow adhesive to dry for approximately five minutes.
- 2.3 Place padding into the desired position and apply pressure to secure bond.
- 2.4 Complete the installation per the instructions of the pad and carpet manufacturer.
- 2.5 Promptly clean any adhesive smudges from the flooring material's surface with water while adhesive is still fresh or with mineral spirits when dried.

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 materials 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.

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.**

For the most current product data, visit www.mapei.com.

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Additional Information

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