



Ultrabond ECO[®] 85

Standard Quick-Grab Carpet Adhesive



DESCRIPTION

Ultrabond ECO 85 has been designed for the value-conscious carpet installer. *Ultrabond ECO 85* provides quick leg development and good bond strength for most carpet backing types and felt-backed vinyl sheet flooring.

FEATURES AND BENEFITS

- Value-priced for cost-conscious flooring installations
- Quick grab for carpet placement
- New lower-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.
 - CRI #104, Standard for Installation Specification of Commercial Carpet
 - CRI #105, Standard for Installation of Residential Carpet
- | <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 |
| IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems..... | 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 carpet with jute, polypropylene (ActionBac), latex-foam and sponge-rubber backings; and residential mineral fibrous felt-backed vinyl sheet goods
- Interior residential (rental apartments, condominiums, homes)
- Interior light commercial (general office areas, hotel rooms, small retail stores)

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 cutback adhesive.
- Do not install when the moisture vapor emission rate (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).
- Do not install when relative humidity of concrete slabs exceeds 75% (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 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 sheet vinyl
- Properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419

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.

MIXING

- Ready to use; no mixing necessary

Note: Choose all appropriate safety equipment before use. Refer to MSDS for more information.

PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Select the appropriately 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. For working time and flash time, refer to "Application Table."
5. Install flooring per the flooring manufacturer's instructions.
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. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

Product Performance Properties

| Laboratory Tests | Results |
|--|--|
| Polymer type | SBR emulsion solution |
| Percent solids | 60% to 64% |
| VOCs (Rule #1168, California's SCAQMD) | 18 g/L |
| pH | 9 to 10 |
| Trowelability | Light, easy |
| Density | 9 lbs./gal. (+/- 0.4); 1.1 g/ml (+/- 0.05) |
| Consistency | Buttery |
| 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, 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 ^{††} |
| Felt-backed vinyl sheet flooring | 0 to 15 minutes | 15 to 35 minutes |
| Carpet | 0 to 15 minutes | 15 to 35 minutes |

[†] 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 |
|--------------|-----------------------------|
| 98568000 | Pail: 5 U.S. gals. (18,9 L) |
| 98564 | Pail: 4 U.S. gals. (15,1 L) |

Approximate Product Coverage

| Flooring Type | Typical Trowel | Coverage* |
|---|---|---|
| Felt-backed vinyl sheet flooring | 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) |
| Smooth-backed carpet | 1/8" x 1/8" x 1/16" (3 x 3 x 1,5 mm)  | 65 to 85 sq. ft. per U.S. gal. (1,59 to 2,08 m ² per L) |
| Rough-backed carpet and double-stick applications | 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm)  | 85 to 95 sq. ft. per U.S. gal. (2,08 to 2,33 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.

Ultrabond
ECO® 85



RELATED DOCUMENTS

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

* At www.mapei.com.

Refer to MAPEI's Material Safety Data Sheet (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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