



Ultrabond ECO[®] 285

Premium Wet-Set Carpet Adhesive



DESCRIPTION

Ultrabond ECO 285 is a FastTrack Ready™ product designed specifically for the installation of carpet with hot-melt backings. Its high-solids formulation has been developed for use in the wet-lay installation method, so that no flash time is required. Its rapid tack development and superior bond strength make Ultrabond ECO 285 the adhesive of choice for virtually all carpet installations.

FEATURES AND BENEFITS

- Ultra high solids for rapid setting and drying times
- Fast grab to hold stiff and rigid carpet in place during installation
- High moisture resistance – up to 8 lbs. (3,63 kg) in MVER
- Low-odor formula for use in occupied buildings
- CRI Green Label Plus certified
- Approved for use with hot-melt (Unibond), urethane unitary, needle-punched, woven, closed-cellular urethane foam, Enhancer, jute, polypropylene (ActionBac), latex-unitary, latex-foam and sponge-rubber backings

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

<u>LEED (Version 3.0) Points Contribution</u>	<u>LEED Points</u>
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MR Credit 5, Regional Materials*	Up to 2 points
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IEQ Credit 4.1, Low-Emitting	
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Materials – Adhesives & Sealants	1 point
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IEQ Credit 4.3, Low-Emitting	
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Materials – Flooring Systems	1 point
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* 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

- Interior residential (rental apartments, condominiums, etc.)
- Interior commercial (office buildings, hotel rooms and hallways, restaurant dining areas)
- Interior heavy commercial (hotel lobbies, convention centers, airports, 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 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 adhesive residues including cutback.
- Do not install when the moisture vapor emission rate (MVER) exceeds 8 lbs. per 1,000 sq. ft. (3,63 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 95% (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 and sheet vinyl
- 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.
- Refer to MAPEI's "Surface Preparation Requirements" document for floor-covering installation systems at www.mapei.com.

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 appropriate notched trowel (see "Approximate Product Coverages" 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 Tables."
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.
3. Use 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	74% to 78%
VOCs (Rule #1168 of California's SCAQMD)	< 50 g/L
pH	9 to 10
Trowelability	Light, easy
Density	9 lbs. (4,08 kg) (+/- 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 Tables

Application Characteristics over Porous Substrates		
	Flash [†]	Working Time ^{††}
Carpet	0 to 15 minutes	15 to 35 minutes

Application Characteristics over Nonporous Substrates		
	Flash [†]	Working Time ^{††}
Carpet	10 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
92865000	4 U.S. gals. (15,1 L)

Approximate Product Coverages

Flooring Type	Typical Trowel		Coverage*
Smooth-backed carpet	1/8" x 1/8" x 1/16" (3 x 3 x 1,5 mm)		67 to 77 sq. ft. per U.S. gal. (1,64 to 1,89 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® 285



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 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:



MAPEI Headquarters of the Americas
1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Phone: 1-888-US-MAPEI
(1-888-876-2734)

Technical Services
1-800-992-6273 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service
1-800-42-MAPEI (1-800-426-2734)

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

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