



Ultrabond ECO[®] 885

Premium Polyolefin-Backed Carpet Adhesive



DESCRIPTION

Ultrabond ECO 885 has been specifically designed to provide both permanent and releasable bonds for carpet and carpet tile with non-PVC, polyolefin and most “eco-type” backings. Its unique formulation has been developed to provide a very aggressive bond to polyolefin-type carpet backings where traditional adhesives will not work. *Ultrabond ECO 885* can be installed into wet for permanent bonding and allowed to dry to its tacky phase for releasable installations. *Ultrabond ECO 885* also can be used in fast-track construction practices where the MVER and RH are less than 8 lbs. (3,63 kg) and 90% respectively, and show diminishing results over time.

FEATURES AND BENEFITS

- Aggressive tack to securely bond non-PVC- and polyolefin-backed carpet
- Contains “post-consumer content” as part of the formulation for additional LEED points
- Permanent or releasable installation system applications
- Low-VOC formula for use in occupied buildings

INDUSTRY STANDARDS AND APPROVALS

- CRI Green Label Plus # GLP25190. 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

LEED Points Contribution

LEED Points

MR Credit 5, Regional Materials**	Up to 2 points
MR Credit 4, Recycled Content**	Up to 2 points
IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems	1 point

** Using this 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 and carpet tile with non-PVC and polyolefin backings
- Interior residential (rental apartments, condominiums, homes)
- Interior commercial (office buildings, hotel rooms and hallways, restaurant dining areas)
- Interior institutional (hospitals, schools, universities, libraries, government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- 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 (RH) of concrete slabs exceeds



90% (ASTM F2170).

- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).
- Not recommended for vinyl (PVC)-backed carpet tile and broadloom

* *Concrete slabs exceeding 8 lbs (3,63 kg) MVER or 90% RH should be treated with a moisture-vapor-reduction product. Refer to Technical Data Sheets at www.mapei.com for information on these products.*

SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per flooring manufacturer's 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
- A single layer of properly prepared, fully bonded vinyl composition tile (VCT)
- 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.
- Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.

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

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 is necessary.

PRODUCT APPLICATION

For releasable installations

Read all installation instructions thoroughly before installation.

1. Select the appropriate 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. Allow adhesive to dry until it no longer transfers to the touch (after about 30 to 45 minutes).
4. Install flooring in strict accordance with the flooring manufacturer's written instructions.
5. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

Note: *Ultrabond ECO 885* is a very tacky adhesive, and some adhesive may transfer to the back of the flooring during the removal process.

For permanent installations

Read all installation instructions thoroughly before installation.

1. Select the appropriate 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. Allow adhesive to flash for 10 to 15 minutes over nonporous floors or to enhance early grab.
4. Install flooring in strict accordance with the flooring manufacturer's written instructions. The use of steaming equipment may be required to adjust patterns on polyolefin-backed broadloom carpet.
5. Adhesive transfer to the backing should be confirmed periodically by lifting the flooring material.
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 and a clean white rag while the adhesive is still fresh/wet.
2. Clean tools with water and a clean white rag 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	Acrylic polymer
Percent solids	70% to 75%
VOCs	48 g/L
Color	Amber
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 Characteristics over Porous Substrates

	Flash time [†]	Working Time ^{††}
Permanent bonding	0 minutes	15 to 30 minutes
Pressure-sensitive bonding	30 to 45 minutes or until dry (pressure-sensitive)	8 to 12 hours

Application Characteristics over Nonporous Substrates

	Flash time [†]	Working Time ^{††}
Permanent bonding	10 to 15 or until tacky	30 to 45 minutes
Pressure-sensitive bonding	30 to 45 minutes or until dry (pressure-sensitive)	8 to 12 hours

[†] *Flash time: Amount of time recommended for the adhesive to remain exposed to the air following application before the installation of a floor covering.*



^{††} *Working time: The maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.*

Note: Working time and adjustment times vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Packaging

Product Code	Size
96582000	4 U.S. gals. (15,1 L)

Approximate Product Coverages*

Flooring Type	Typical Trowel	Coverage
Polyolefin-backed carpet tile	1/16" x 1/16" x 1/16"  (1,5 x 1,5 x 1,5 mm)	125 to 150 sq. ft. per U.S. gal. (3,06 to 3,67 m ² per L)
Polyolefin-backed broadloom carpet	3/32" x 3/32" x 3/32"  (2,5 x 2,5 x 2,5 mm)	140 to 160 sq. ft. per U.S. gal. (3,43 to 3,92 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.*

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 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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