

Ultrabond ECO M175

Marine Carpet Adhesive for Internal Areas

DESCRIPTION

Ultrabond ECO® M175 carpet adhesive, featuring high initial grab and a long open time, is suitable for bonding carpet on internal marine decks. It is perfectly suited for installing carpet in high-traffic areas, over underfloor heat systems and in double-stick applications in such areas as hallways, corridors, elevator lobbies, auditoriums, offices, guest cabins and casinos.

FEATURES AND BENEFITS

- Resistant to moisture and stable in the presence of humidity
- Excellent wet grab and transfer to carpet backing
- Long open time
- Low in VOCs
- Easy to apply
- Excellent repositionability

WHERE TO USE

- For installation of jute, polypropylene, Action-Bac, woven, Axminster, latex, foam, needle-felt, and needle-punched over properly prepared internal, absorbent substrates
- Interior applications over well-supported decks
- Can be used with underfloor heating systems
- Can be used for double-stick applications

LIMITATIONS

- Do not install over substrates containing asbestos.
- For internal use only

- Use between the temperatures of 50°F and 95°F (10°C and 35°C).
- Do not apply over adhesive residues including cutback adhesive.
- Do not install in areas with known moisture problems.
- Use when the ambient relative humidity (RH) is between 20% and 80%.
- Do not install unless the temperature of the prepared substrate is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point, to avoid condensation.
- 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.

SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per underlayment manufacturer's recommendations)
- Concrete and cement terrazzo
- Cement-based, self-leveling underlayments and patching compounds
- Well-supported metal substrates when primed with the recommended primer.
- Properly installed, fully cured, sound, and dry cement-based, mortar beds, underlayments and patching compounds
- Embossing levelers applied over existing and fully bonded ceramic tile and sheet vinyl
- A single layer of fully bonded vinyl composition tile (VCT)
- Primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

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

SURFACE PREPARATION

- All substrates must be properly prepared, structurally sound, dry, solid, and stable.
- Underlayments must be cured sufficiently to receive floor coverings according to their Technical Data Sheet or written technical recommendations.
- The 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. See the "Surface preparation requirements: Resilient/carpet adhesives" reference guide in the Floor Covering Installation Systems section of MAPEI's Website.

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

- Ready to use; no mixing is necessary.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Spread adhesive evenly over the subfloor with an appropriate notched trowel, keeping the trowel at a 45-degree angle to the subfloor.
2. For porous substrates, install the flooring material into the adhesive while it is still wet. Over nonporous substrates, allow 20 minutes of drying time for the adhesive to tack up before placing flooring material.
3. Install flooring per the flooring manufacturer's written instructions. Periodically confirm the adhesive transfer to the backing by lifting the flooring material. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

CLEANUP

- Promptly use water to clean any adhesive smudges from the flooring material's surface while the adhesive is still fresh/wet.
- Clean tools with water while the adhesive is still fresh/wet.
- If the adhesive has dried, clean with mineral spirits. Use caution with mineral spirits, which may be harmful to some materials.

PROTECTION

- Avoid walking on the installed surface for at least 3 hours after installation, depending upon temperature and humidity conditions. Protect the installation from traffic and from other trades until the adhesive is cured.

Product Performance Properties

Laboratory Tests	Results
pH	9 to 10
Polymer type	Styrene butadiene latex

Shelf Life and Product Characteristics

before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C) and 50% RH
Storage conditions	40°F to 100°F (4°C to 38°C)
Consistency	Buttery
Color	Tan

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 Properties

at 73°F (23°C) and 50% RH

Flash time	0 to 15 minutes
Working time	15 to 35 minutes
Temperature range for application	41°F to 95°F (5°C to 35°C)

Packaging

Size

Pail: 4 U.S. gals. (15.1 L)

Approximate Coverage*

Flooring Type	Typical Trowel	Coverage
Smooth-backed carpet	1/8" x 1/8" x 1/16" (3 x 3 x 1.5 mm), U-notch	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), U-notch	85 to 95 sq. ft. per U.S. gal. (2.08 to 2.33 m ² per L)

**Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.*

ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **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.**

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For the most current product data and BEST-BACKEDSM warranty information,
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