



# Ultrabond<sup>®</sup> 975

## Engineered Wood-Flooring Adhesive



### DESCRIPTION

*Ultrabond 975* capitalizes on MAPEI's Ultralite Technology™ to provide a lightweight, 100%-solids, moisture-cured urethane adhesive specifically designed for the installation of engineered wood flooring. While about 33% lighter in weight when compared to other urethane adhesives, *Ultrabond 975* still provides the same or greater amount of coverage as traditional urethane products. *Ultrabond 975* is easy to trowel, has excellent trowel-ridge hold, provides quick grab and offers excellent final bond strength.

### FEATURES AND BENEFITS

- Approved for use with prefinished and unfinished parquet; acrylic impregnated wood and laminated plank; cork; and all sizes of prefinished and unfinished engineered wood flooring
- Lightweight formulation technology for easy transport and installation
- Easy to trowel with excellent trowel-ridge hold for proper adhesive bonding
- 100%-solids formulation with no solvent added, for safe use in any environment
- Excellent green strength to hold planks in place during installation
- Low-odor formula; low VOCs for use in occupied buildings

### INDUSTRY STANDARDS AND APPROVALS

<u>LEED Points Contribution</u>	<u>LEED Points</u>
Low-emitting materials.....	1 point

Refer to MAPEI's Material Safety Data Sheet (MSDS) for specific data related to VOCs, health and safety, and handling of product.

### WHERE TO USE

- Interior residential and commercial

### LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Not recommended for flooring designed for nail-down installations only
- Do not apply over any adhesive residues including 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 m<sup>2</sup>) 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), and when the ambient relative humidity is between 20% and 80%.

### SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and properly prepared cement terrazzo
- Existing and properly prepared ceramic tile
- Cement-based self-leveling underlayments and patching compounds
- *Planiseal*™ WFM moisture-reduction barrier



- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength
- Properly installed radiant-heat systems

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.
- Substrates must be flat to 3/16" in a 10-ft. span (4,5 mm in a 3-meter span). Refer to wood-flooring manufacturer's guidelines.
- Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.
- Use anhydrous calcium chloride tests to determine MVER according to ASTM F1869.
- Concrete slabs exceeding 3 lbs. (1,36 kg) in MVER should be treated with a moisture vapor reduction product. Refer to Technical Data Sheets at [www.mapei.com](http://www.mapei.com) for information on these products.
- Use a moisture meter to check the relative humidity of the wood flooring, substrate surface and general jobsite area. Follow the flooring manufacturer's guidelines.
- Refer to MAPEI's Surface Preparation Requirements document for floor-covering installation systems at [www.mapei.com](http://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 Coverage" section)
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
4. Only apply as much as can be installed within 45 minutes.
5. Install flooring.
6. Periodically confirm adhesive transfer to the backing by lifting the flooring material.
7. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface,

unless otherwise specified by the wood-flooring manufacturer.

8. Immediately use *Ultrabond Urethane Cleaner* to clean any adhesive from the flooring material's surface and from tools while the adhesive is still fresh/wet.

Note: *Ultrabond 975* is extremely difficult to remove when cured.

9. Protect from light traffic for at least 12 hours, and from heavy traffic for at least 24 hours.

## Product Performance Properties

LABORATORY TESTS	RESULTS
Polymer type	Polyurethane
Percent solids	100%
VOC (Rule #1168 of California's SCAQMD)	73 g/l
Trowelability	Easy
Density	10.5 lbs. per U.S. gal. (1,25 g per mL)
Consistency	Smooth paste
Color	Light tan
Shelf life	1 year when stored in original packaging at 73°F (23°C)
Storage conditions	50°F to 90°F (10°C to 32°C)
Flash point (Tag)	> 200°F (93°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 and Nonporous Substrates	
	Working Time <sup>†</sup>
Engineered wood flooring	100 to 120 minutes



<sup>†</sup> Working time is the window of time for the adhesive to accept flooring.

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

## Packaging

Product Code	Size
96898000	5 U.S. gals. (18,9 L)

## Approximate Product Coverages

Flooring Type	Typical Trowel		Coverage*
Finger block parquet < 1/2" (12 mm) thick	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm)		70 – 80 sq. ft. per U.S. gal. (1,71 to 1,96 m <sup>2</sup> per L)
Engineered plank > 1/2" – 3/4" (12 to 19 mm) thick	1/8" x 1/4" x 1/4" (3 x 6 x 6 mm)		40 – 50 sq. ft. per U.S. gal. (0,98 to 1,22 m <sup>2</sup> 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.

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## RELATED DOCUMENTS

Reference Guide: Surface Preparation Requirements for floor-covering installation systems	RGF0409*
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\* At [www.mapei.com](http://www.mapei.com).

## 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 product and warranty data, visit [www.mapei.com](http://www.mapei.com).**

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