



# Ultrabond<sup>®</sup> 980

## Solvent-Free

**Urethane wood  
flooring adhesive**



### DESCRIPTION

*Ultrabond 980* is an innovative, solvent-free, one-part, moisture-curing urethane adhesive specifically designed for easy application and high performance.

- Nonslump/trowel-ridge-holding formulation
- Superior application properties
- Contains no solvents or water
- Low in VOCs
- Economical
- Elastomeric to allow the natural subtle movements of wood flooring

### USES

- Use to install prefinished or unfinished engineered wood plank.
- Use to install solid hardwood planks (flat milled) or shorts.
- Use to install prefinished or unfinished parquet.
- Use to install acrylic impregnated wood and laminated plank.
- Use to install ceramic tile (residential and light commercial only).

### RECOMMENDED SUBSTRATES

- Fully cured concrete  
Note: All concrete slabs should be tested for moisture. If moisture vapor emission exceeds 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m<sup>2</sup>) per 24 hours, using the anhydrous calcium chloride test (ASTM F1869), this adhesive must not be used.
- Any wood underlayment such as exterior-grade plywood, Group 1, CC type, that is recommended or guaranteed by either the wood underlayment manufacturer or the wood flooring manufacturer
- Properly prepared cement terrazzo
- Properly prepared ceramic tile

### TECHNICAL NOTES

- For interior installations only
- Do not use when the substrate temperature is below 50°F (10°C) or above 100°F (38°C).
- Follow wood manufacturer's instructions regarding proper conditioning of floor-covering materials. Do not use this adhesive to install any type of wood flooring that the wood manufacturer does not recommend to be "glued" down.
- Do not use adhesive as a leveling or patching material. If patching or leveling of a floor is required prior to the application of this adhesive, use the appropriate MAPEI leveling or patching material. Consult MAPEI's Technical Services Department for product recommendations.

# Ultrabond<sup>®</sup> 980



- Do not leave unused adhesive in an open container. Cover with dense, nonporous plastic and close lid tightly.
- Immediately clean adhesive from the wood flooring surface with a clean white rag and mineral spirits. Ensure that the mineral spirits does not harm the wood flooring surface.
- *Ultrabond 980* may be used over radiant-heated flooring systems. Understand the effect of these types of systems on wood and ensure that the manufacturer recommends their product be installed over radiant-heated flooring systems.

Note: Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

## INSTRUCTIONS

### 1. Surface Preparation

All substrates must be structurally sound, flat (within 3/16" in 10', or 1/8" in 6' [4,5 mm in 3,05 m, or 3 mm in 1,83 m]), dry, clean and free of dips, holes, voids, dust, oil, grease, tar, paint, wax, curing agents, primers, sealers and any substance that may prevent or reduce adhesion. See "Surface Preparation Requirements" document for additional details.

### 2. Mixing

*Ultrabond 980* is ready to use. No mixing is required. Simply open the container and spread.

### 3. Application

- 3.1 Refer to wood flooring manufacturer's instructions and industry standards regarding job site, surface preparation, material conditioning and installation.
- 3.2 All wood flooring, adhesive and subfloor should be maintained at room temperature (73°F [23°C]) for a period of 48 hours before, during and after the installation.
- 3.3 Use the typical trowel (see "Technical Data") to ensure that adhesive covers at least 95% of the flooring backing. Follow the wood flooring manufacturer's recommendation regarding proper trowel to use.
- 3.4 Spread adhesive may be installed into using a wet-lay or walk-on method.  
  
Note: Secure starter row by wedging or face-nailing.
- 3.5 After placing, press the wood flooring firmly into the adhesive to ensure good contact with the adhesive.
- 3.6 Proper adhesive transfer to the backing should be confirmed periodically by lifting the material.

- 3.7 Leave an appropriate space around the perimeter of the room and stationary objects to allow for wood flooring expansion as recommended by the wood flooring manufacturer.
- 3.8 Carefully roll the wood flooring installation with a roller as specified by the flooring manufacturer. Apply weight to flooring as necessary to ensure proper contact while adhesive is curing.
- 3.9 Complete the installation per the flooring manufacturer's recommendations.
- 3.10 Promptly clean adhesive smudges with mineral spirits while still fresh. Ensure that the finished surface of flooring is not harmed. Adhesive is extremely difficult to remove once cured.
- 3.11 Clean all tools with mineral spirits before the adhesive sets.

### 4. Expansion and Control Joints

- 4.1 Provide for expansion and control joints where specified.
- 4.2 Do not cover any expansion joints with adhesive.
- 4.3 Cut wood flooring on both sides along the edges of expansion joints.
- 4.4 Insert the specified compressible bead and sealant for expansion and control joints, according to plans and specifications.

### 5. Protection

- 5.1 Protect containers from freezing in transit and storage.
- 5.2 Provide heated storage (at a temperature not lower than 73°F [23°C]) on site and deliver all materials at least 24 hours before work begins.
- 5.3 Light traffic is acceptable in 8 to 12 hours. Adhesive is fully cured in 24 hours.
- 5.4 To reseal container, fully cover adhesive with plastic and then tightly reseal the lid.

## TECHNICAL DATA

Service temperature ..... -40°F (-40°C) to 150°F (66°C)  
 Application temperature ..... 50°F (10°C) to 100°F (38°C)

Temperature	Relative Humidity	Open Time
73°F (23°C)	50%	2 hours, 30 minutes
50°F (10°C)	80%	3 hours, 30 minutes
100°F (38°C)	20%	4 hours, 15 minutes

Flash point ..... > 200°F (> 93°C)  
 Maximum moisture vapor emission of the concrete (ASTM F1869) ..... 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m<sup>2</sup>) per 24 hours  
 Setting time (cure) ..... Ready for light foot traffic in 8 to 12 hours, and heavier traffic once cured. Temperature and humidity will affect the cure rate; the higher the temperature and humidity, the faster the cure. Typically this adhesive cures in 24 hours at 73°F (23°C) and 40% relative humidity.  
 Cleanability ..... With mineral spirits when fresh; extremely difficult when cured  
 Color ..... Beige  
 Consistency ..... Creamy and easy to spread  
 VOC ..... 100 g/L  
 Weight ..... 13.9 lbs. per U.S. gal. (1,6 kg per L)  
 Shelf life ..... 12 months when stored in original unopened container at room temperature (73°F [23°C]) in a dry area  
 Health and safety ..... Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

### PACKAGING

Pails: 3.5 U.S. gals. (13,2 L); 5 U.S. gals. (18,9 L)

### TYPICAL TROWELS AND APPROXIMATE COVERAGES\*

3- or 5-ply engineered plank (< 1/2" [12 mm])

5/32" x 3/16" ..... 45 to 55 sq. ft./U.S. gal.  
 (4 x 4,5 mm) ..... (1,10 to 1,35 m<sup>2</sup>/L)



Engineered plank (> 1/2" [12 mm])

1/8" x 1/4" x 1/4" ..... 35 to 45 sq. ft./U.S. gal.  
 (3 x 6 x 6 mm) ..... (0,85 to 1,10 m<sup>2</sup>/L)



3- or 5-ply laminated plank

1/4" x 3/16" x 1/2" ..... 55 to 65 sq. ft./U.S. gal.  
 (6 x 4,5 x 12 mm) ..... (1,35 to 1,59 m<sup>2</sup>/L)



Finger block parquet

1/8" x 1/8" x 1/8" ..... 70 to 80 sq. ft./U.S. gal.  
 (3 x 3 x 3 mm) ..... (1,71 to 1,96 m<sup>2</sup>/L)



Solid plank (up to 3/8" [10 mm])

1/4" x 1/4" x 1/4" ..... 30 to 40 sq. ft./U.S. gal.  
 (6 x 6 x 6 mm) ..... (0,73 to 0,98 m<sup>2</sup>/L)



\* Trowel dimensions are depth/width/space. Quantities shown are approximate and given for estimating purposes only. Actual job-site coverages may vary according to substrate conditions and size of trowel used.

