

# Ultrabond ECO WPA

Wood Parquet and Plywood Adhesive



## DESCRIPTION

*Ultrabond ECO® WPA* is a high-solids latex adhesive specially formulated for the installation of prefinished, parquet wood flooring in interior residential and light commercial areas. It can also be used to bond layers of plywood together in construction projects.

## FEATURES AND BENEFITS

- Dries clear
- Solvent-free
- Water cleanable

## INDUSTRY STANDARDS AND APPROVALS

- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

## WHERE TO USE

- Approved for use with prefinished finger-block parquet and for bonding multiple plywood sheets

## LIMITATIONS

- Do not install over substrates containing asbestos.
- For interior installations only
- Not recommended for flooring designed for nail-down installations
- Not recommended for bamboo or solid wood flooring
- Install flooring only in areas recommended by the flooring manufacturer.

- Do not apply over any adhesive residues, including cutback adhesive.
- Do not use over nonporous substrates
- Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity (RH) of the concrete slab exceeds 80% (ASTM F2170).
- Do not install in areas with known hydrostatic moisture problems.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient RH is between 20% and 80%.

## SUITABLE SUBSTRATES

- On- or above-grade, fully cured concrete (at least 28 days old) placed according to the guidelines shown in ASTM F710 or ACI 302.2R-06
- Exterior-grade plywood and other approved wood substrates (per the wood-flooring manufacturer's recommendations)
- Cement-based self-leveling underlayments and patching compounds
- Primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419
- 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.
- The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, 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 3.05-m span).

See MAPEI's "Surface Preparation Requirements" document 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 (SDS) for details.

- Ready to use; no mixing is necessary.

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Select the appropriately notched trowel (see the “Approximate Coverage” chart) and spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. Place wood flooring or plywood panels together into fresh wet adhesive.

## CLEANUP

- Use water to clean adhesive smudges from the flooring surface while the adhesive is fresh/wet. Use mineral spirits when it has dried.
- Clean tools with soap and water while the adhesive is still fresh/wet. Use mineral spirits when it has dried.

## PROTECTION

- Protect the finished installation from light traffic for at least 12 hours and from heavy traffic for at least 24 hours.
- Building owners should become aware of the flooring manufacturer’s guidelines for climate-control settings (temperature and humidity). These conditions must be monitored and kept constant to ensure the overall performance and long-term success of the installation.

### Product Performance Properties

| Laboratory Tests                         | Results                   |
|--|---------------------------|
| Solids content                           | 75%                       |
| pH                                       | 7                         |
| VOCs (Rule #1168 of California’s SCAQMD) | < 15 g per L              |
| Density                                  | 1.1 g per cm <sup>3</sup> |
| Flash point (Tag)                        | > 212°F (100°C)           |

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.

## Shelf Life and Product Characteristics

before mixing

| Shelf life         | 1 year when stored in original, unopened packaging at 73°F (23°C) |
|--------------------|---|
| Consistency        | Viscous liquid  |
| Color              | White when wet; clear when dry                                    |
| Storage conditions | 50°F to 90°F (10°C to 32°C)                                       |

## Application Properties

at 73°F (23°C) and 50% relative humidity

| Over Porous Substrates  | Flash Time <sup>†</sup> | Working Time <sup>††</sup> | Adjustability Time <sup>†††</sup> |
|---|-------------------------|----------------------------|-----------------------------------|
| Concrete, plywood and cement based patches or self-leveling underlayments | 0 minutes               | 15 minutes                 | 1 hour                            |

<sup>†</sup> Flash time is the recommended amount of time for a freshly applied adhesive to remain exposed to the air before the installation of a floor covering.

<sup>††</sup> Working time is the maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.

<sup>†††</sup> Adjustability time is the window of time during which the floor covering can be repositioned without compromising the bond of the adhesive.

Flash time, working time and adjustability time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

## Packaging

| Size                          |
|-------------------------------|
| Pail: 1 U.S. gal. (3.79 L)    |
| Pail: 3.3 U.S. gals. (15.1 L) |

### Approximate Coverage\*

per U.S. gal. (3.79 L)

| Flooring Type  | Typical Trowel                             | Coverage   |
|--|--|--|
| Finger-block parquet, plywood and cork tile flooring | 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm), V-notch | 75 to 90 sq. ft.<br>(6.97 to 8.36 m <sup>2</sup> ) |

\* 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.

## RELATED DOCUMENTS

- Reference Guide: Surface Preparation Requirements for floor-covering installation systems\*

\* At [www.mapei.com](http://www.mapei.com)

## ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (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-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com).

#### 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](http://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.**

## CONTACT INFORMATION

### MAPEI Headquarters of North America

1144 East Newport Center Drive  
Deerfield Beach, Florida 33442  
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

### Technical Services

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

Canada:

1-800-361-9309

### Customer Service

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

**Edition Date: May 29, 2023 MK 3000377 (22-3287)**

For the most current product data and BEST-BACKED<sup>SM</sup> warranty information, visit [www.mapei.com](http://www.mapei.com).

All Rights Reserved. © 2023 MAPEI Corporation.

