



# Ultrabond<sup>®</sup> 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
- Interior, residential applications (rental apartments, condominiums and homes)
- Interior, commercial applications (office buildings, hotel rooms/hallways and restaurant dining areas)

### 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 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. (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.

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## RELATED DOCUMENTS

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

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

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-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com).

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**Edition Date:** April 23, 2020

MK 3000377-CA (20-1656)