



Ultrabond ECO[®] 962

Premium, Pressure-Sensitive, Engineered-Wood-Flooring Adhesive



DESCRIPTION

Ultrabond ECO 962 is a pressure-sensitive, engineered-wood-flooring adhesive that has been specifically designed to offer a robust, water-based solution for engineered wood flooring. *Ultrabond ECO 962* is also well suited for the installation of luxury vinyl tile, luxury vinyl plank and cork flooring/underlayment.

FEATURES AND BENEFITS

- Dries quickly with excellent tack properties
- Up to 24 hours of working time
- Tenacious bond strength with strong rebonding characteristics

WHERE TO USE

- For use with engineered wood flooring of any width and length; finger-block parquet; acrylic impregnated wood and laminated plank; foam-backed parquet wood flooring; luxury vinyl tile (LVT) and luxury vinyl plank (LVP); cork flooring; cork underlayment; and vinyl composition tile (VCT)
- Interior, residential applications (such as rental apartments, condominiums and homes)
- Interior, commercial applications (such as general office areas, hotel rooms and small retail stores)
- Interior, heavy-commercial applications (such as hotel lobbies, convention centers, airports and department stores)
- Interior, institutional applications (such as hospitals, schools, universities, libraries and government buildings)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- For interior installations only
- Not recommended for flooring designed for nail-down installations only
- Not recommended for bamboo or solid wood flooring
- Do not use to install LVT or LVP with known dimensional stability issues.
- Do not use to install LVT or LVP in areas subject to high heat or intense direct sunlight.
- Do not apply over any adhesive residues, including cutback adhesive.
- Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m²) 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%.
- Do not install unless the temperature of the prepared concrete slab is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point to avoid condensation.

SUITABLE SUBSTRATES

- Exterior-grade plywood, Group 1, CC type and other approved wood underlayments (per manufacturer recommendations)



- Concrete and cement terrazzo
- Cement-based, self-leveling underlayments and patching compounds
- Primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

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

SURFACE PREPARATION

- All substrates must be properly prepared, 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. All surfaces must be level, even, flat and smooth.

See MAPEI's general "Surface preparation requirements" reference guide in the Related Documents section of the Floor Covering Installation Systems page on 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.

Non-engineered wood flooring

1. Select the appropriately notched trowel (see the "Approximate Coverage" chart below) and spread *Ultrabond ECO 962* evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. Allow the adhesive to remain open for 10 to 30 minutes before installation, depending on the porosity of the substrate. The adhesive must remain slightly wet during installation; do not allow it to dry completely, which would make the flooring placement very difficult.
3. Only apply as much adhesive as can be installed over within 2 hours.

Engineered wood flooring

1. Install engineered wood flooring per the manufacturer's written instructions.
2. Periodically confirm the adhesive transfer to the backing by lifting the flooring material.
3. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

Cork flooring

1. Select the appropriately notched trowel (see the "Approximate Coverage" chart below) and spread *Ultrabond ECO 962* evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.

2. Allow the adhesive to remain open until completely dry. When dry, the adhesive will appear translucent and will not transfer to the touch if pressed.
3. Apply a light coating of the adhesive to the back of the cork flooring using a good-quality paint brush or a paint roller with a 1/4" (6-mm) nap.
4. Allow the adhesive to dry completely. Only apply as much adhesive as can be installed over within 8 to 12 hours.
5. Carefully place the cork flooring into the dried adhesive on the substrate. The grab between these two materials will be extremely strong, so accurate placement is recommended because secondary movement will be very difficult.
6. Using a 100-lb. (45.4-kg) roller, immediately roll the installed cork flooring in both directions (north-south and east-west).

Cork underlayment

1. Cut 2" (5-cm) strips of cork from the roll and bond it vertically to the base of the perimeter wall structures using *Ultrabond ECO 962*.
2. Place the cork underlayment on the floor and cut it to fit. Cork ends must curl down toward the floor. If the ends curl up, flip the cork over.
3. Pull back half of the underlayment, select the appropriately notched trowel (see the "Approximate Coverage" chart below) and spread the adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
4. Allow the adhesive to remain open for 10 to 30 minutes and then place the underlayment.
5. Apply only as much adhesive as can be installed over within 2 hours.
6. Repeat steps 3 through 5 for the other half of the underlayment.
7. Using a 100-lb. (45.4-kg) roller, immediately roll the installed cork underlayment in both directions (north-south and east-west).

LVT, LVP, foam-backed parquet, finger-block parquet and VCT

1. Select the appropriately notched trowel (see the "Approximate Coverage" chart below) and spread *Ultrabond ECO 962* evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
2. Allow the adhesive to remain open for 30 to 60 minutes and then place the flooring.
3. Only apply as much adhesive as can be installed over within 24 hours.
4. Immediately roll the flooring using a 100-lb. (45.4-kg) roller in both directions (north-south and east-west).

CLEANUP

- Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.

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Product Performance Properties

Laboratory Tests	Results
Polymer type	Acrylic latex
Solids content	78% to 82%
VOCs (Rule #1168 of California's SCAQMD)	60 g per L
pH	9 to 10
Flash point (Tag, closed cup) – ASTM D56	> 212°F (100°C)

Shelf Life and Product Characteristics

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Consistency	Buttery
Color	Off-white
Storage temperature range	40°F to 100°F (4°C to 38°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.

Application Properties

Flash time [†]	10 to 15 minutes
Working time ^{††}	
Engineered wood flooring	< 2 hours
Cork flooring	8 to 12 hours
Cork underlayment	< 2 hours
LVT, LVP, foam-backed parquet, finger-block parquet and VCT	< 24 hours

[†] Flash time is the waiting time required before installing flooring.

^{††} Working time is the window of time for the adhesive to accept flooring.

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

Approximate Coverage*

Flooring Type	Typical Trowel	Coverage
LVT, LVP and VCT on porous substrates	1/16" x 1/16" x 1/16" (1.5 x 1.5 x 1.5 mm), square-notch 	125 to 185 sq. ft. per U.S. gal. (3.06 to 4.53 m ² per L)
LVT, LVP and VCT on nonporous substrates	1/16" x 1/32" x 1/32" (1.5 x 1 x 1 mm), U-notch 	250 to 300 sq. ft. per U.S. gal. (6.12 to 7.35 m ² per L)
Cork flooring > 1/4" (6 mm) thick and finger-block parquet	1/8" x 1/8" x 1/8" (3 x 3 x 3 mm), square-notch 	70 to 80 sq. ft. per U.S. gal. (1.71 to 1.96 m ² per L)
Engineered wood flooring < 1/2" (12 mm) thick as well as acrylic impregnated wood and laminated plank	3/16" x 1/4" x 1/2" (4.5 x 6 x 12 mm), V-notch 	50 to 60 sq. ft. per U.S. gal. (1.22 to 1.47 m ² per L)
Cork flooring < 1/4" (6 mm) thick, foam-backed parquet and cork underlayment	3/32" x 3/32" x 3/32" (2.5 x 2.5 x 2.5 mm), V-notch 	50 to 70 sq. ft. per U.S. gal. (1.22 to 1.71 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.

Ultrabond ECO 962



Packaging

Size

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

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- 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

- Protect from light traffic for 24 hours, and from heavy traffic for 72 hours.

RELATED DOCUMENTS

Reference Guide: General "Surface preparation requirements" for floor-covering installation systems*

* At 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 meets the health and well-being requirements of product certification programs, contact the MAPEI Sustainability Team at 1-800-992-6273.

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 or 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.**

We proudly support the following industry organizations:



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