

MAPEI'S *Ultrabond ECO*[®] Wood-Flooring Adhesives

A selection guide for green building standards and certification programs



Green Building Standards and Certification Programs

VOC content and emissions

A product labeled “low-VOC” or “zero-VOC” does not mean it is safe or good for your health, nor does it not mean there are no toxic chemicals. VOC content (what’s in the product) does it correlate to VOC emissions (what the product emits). Products with **zero or low VOCs can still emit VOCs**. To confidently select healthy products, customers should look for products that have been third-party tested and certified.

SCS Global Services Indoor Advantage™ Gold for VOC Emissions

SCS Indoor Advantage™ Gold certifies compliance with the most rigorous **indoor air quality** emissions standards in North America. To be certified to the Indoor Advantage Gold standard, products must be independently tested following specific protocols for measuring volatile organic compounds (VOC) emissions. Indoor Advantage Gold ensures full compliance with the California Department of Public Health's (CDPH) “Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources.” Certification qualifies products to contribute to points under LEED v4, the widely adopted green building rating system developed by the U.S. Green Building Council, the Canada Green Building Council, the WELL Building Standard, Living Building Challenge and more. The Indoor Advantage Gold certification can also qualify products under the Collaborative for High Performance Schools (CHPS) and the Green Guide for Health Care for the low-emitting materials credits.



INDOOR ADVANTAGE GOLD
BUILDING MATERIALS

MAPEI has more than 375 products that have undergone third-party testing and have achieved SCS Indoor Advantage Gold certification.

All of MAPEI's products meet SCAQMD's Rule 1168 for Adhesives and Sealants or Rule 1113 for Paints and Coatings.

For additional information, including other green building standards and certification systems to which our wood-flooring adhesives contribute, contact sustainability_USA@MAPEI.com (USA) or sustainability-durabilite@mapei.com (Canada).

MAPEI's modified-silane adhesives



Ultrabond ECO 907

Fast-curing, silane-modified, polymer wood adhesive

Ultrabond ECO 907 is a fast-curing, 100%-solids, moisture-curing, gun-grade adhesive designed for basic wood subfloor construction practices as well as repairing of wood flooring; bonding of wood stair nosings; installation of wood molding and baseboards; and attachment of tackstrips to concrete subfloors. *Ultrabond ECO 907* is also ideal for supplemental bonding of wide plank boards when nailing and gluing are required.

FEATURES AND BENEFITS

- 2-hour curing time
- High bond strength
- Excellent elongation properties

Ultrabond ECO 983

Modified-silane, moisture-control wood-flooring adhesive

Ultrabond ECO 983 is a single-component, 100%-solids, modified-silane wood-flooring adhesive that is formulated without water, solvents, amines, isocyanates, phthalate plasticizers or epoxy resins. With an extremely low emission level of VOCs, the unique formulation of *Ultrabond ECO 983* provides excellent bond strength and moisture control up to 15 lbs. (6.80 kg) MVER and 90% relative humidity (RH). Special trowel clips are provided to apply the adhesive in a monolithic layer for subfloor moisture control. It can also be used with traditional trowel-applied methods where subfloor moisture problems do not exist.

FEATURES AND BENEFITS

- 100%-solids, with no water or solvents added
- Moisture control up to 15 lbs. (6.80 kg) MVER and 90% RH
- Easy to clean up



Ultrabond ECO 985

Hybrid-polymer-based, moisture-control and sound-reducing wood-flooring adhesive

Ultrabond ECO 985 is a premium single-component, hybrid-polymer-based wood-flooring adhesive that is formulated without water, solvents, amines, isocyanates, phthalate plasticizers or epoxy resins, and has an extremely low emission level of VOCs. *Ultrabond ECO 985's* formulation provides excellent sound-reduction properties that are required for multi-unit housing. *Ultrabond ECO 985* is also a moisture-controlling wood-flooring adhesive that protects wood flooring from moisture vapor emitting through concrete slabs in a single application.



MAPEI's modified-silane adhesives



Ultrabond ECO 985 (continued)

FEATURES AND BENEFITS

- Moisture control, sound reduction and bonding system in a single product
- 100%-solids formulation; moisture-cured and with no solvent added
- Durable bond strength for exotic and domestic wood species
- Lifetime bond performance warranty
- Formula based on rapidly renewable raw materials
- Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding
- Can be used with ceramic tile and stone for mixed-media installations with wood flooring

MAPEI's urethane adhesives



Ultrabond ECO 975

Standard, urethane adhesive for hardwood flooring

Ultrabond ECO 975 is a 100%-solids, one-component, moisture-cured, urethane adhesive specifically designed for the installation of domestic solid and engineered wood flooring.

FEATURES AND BENEFITS

- 100%-solids formulation; moisture-cured and with no solvent added
- Low-odor formula with negligible VOC content
- Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding



Ultrabond ECO® 977

Fast-Set Urethane Adhesive for Hardwood Flooring

Ultrabond ECO 977 is a fast-setting, 100%-solids, one-component, moisture-cured urethane adhesive specifically designed for the installation of domestic solid and engineered wood flooring. *Ultrabond ECO 977* can also be used in elevated subfloor moisture conditions of up to 12 lbs. (5.44 kg) MVER and 95% relative humidity when a specific installation method and trowel notch configurations are used.

FEATURES AND BENEFITS

- Sets quickly to control wood placement
- 100%-solids formulation; moisture-cured and with no solvent added
- Low-odor formula with negligible volatile organic compound (VOC) content

MAPEI's urethane adhesives

Ultrabond ECO® 980

Premium urethane adhesive for hardwood flooring

Ultrabond ECO 980 is a 100%-solids, one-component, moisture-cured urethane adhesive specifically designed for the installation of domestic and exotic solid and engineered wood flooring, including bamboo.

FEATURES AND BENEFITS

- 100%-solids formulation; moisture-cured and with no solvent added
- Durable bond strength for exotic and domestic wood species
- Lifetime bond performance warranty
- Low-odor formula with negligible volatile organic compound (VOC) content
- Formula based on rapidly renewable raw materials
- Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding
- Can be used with ceramic tile and stone for mixed media installations with wood flooring



Ultrabond ECO 995

Premium moisture-control, sound-reduction and wood-flooring adhesive









Ultrabond ECO 995 is a premium, 100%-solids, one-component, moisture-curing urethane adhesive for all types of wood flooring and bamboo. *Ultrabond ECO 995* can be used in a single-coat application method that provides a superior bond and moisture vapor emission control on concrete slabs. *Ultrabond ECO 995* also provides sound-reduction properties, making it suitable for use in multi-unit housing projects.

FEATURES AND BENEFITS

- Moisture barrier, sound reduction and bonding system in a single product
- 100%-solids formulation; moisture-cured and with no solvent added
- Durable bond strength for exotic and domestic wood species
- Lifetime bond performance warranty
- Low-odor formula with negligible VOC content
- Formula based on rapidly renewable raw materials
- Easy to trowel with excellent trowel-ridge holdout for proper adhesive bonding
- Can be used with ceramic tile and stone for mixed-media installations with wood flooring



Typical Trowel Coverage

Traditional Method			
Flooring type	Typical trowel	Coverage	Products
Reground rubber and cork underlayment	 <p>1/16" x 1/16" x 1/16" (1.5 x 1.5 x 1.5 mm) Square-notch</p>	75 to 95 sq. ft. per U.S. gal. (1.84 to 2.33 m ² per L)	<i>Ultrabond ECO 975</i> <i>Ultrabond ECO 977</i> <i>Ultrabond ECO 980</i> <i>Ultrabond ECO 995</i>
Finger block parquet	 <p>1/8" x 1/8" x 1/8" (3 x 3 x 3 mm) Square-notch</p>	70 to 80 sq. ft. per U.S. gal. (1.71 to 1.96 m ² per L)	<i>Ultrabond ECO 975</i> <i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>
Engineered wood flooring less than 1/2" (12 mm) thick	 <p>3/16" x 5/32" (4.5 x 4 mm) V-notch</p>	30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m ² per L)	<i>Ultrabond ECO 975</i> <i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>
Engineered wood flooring less than 1/2" to 5/8" (12 to 16 mm) thick	 <p>1/8" x 1/4" x 1/4" (3 x 6 x 6 mm) Square-notch</p>	45 to 55 sq. ft. per U.S. gal. (1.10 to 1.35 m ² per L)	<i>Ultrabond ECO 975</i> <i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>
Wood flooring less than or equal to 5/8" (16 mm) thick	 <p>1/4" x 1/4" (6 x 6 mm) V-notch</p>	30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m ² per L)	<i>Ultrabond ECO 977</i>
Wood flooring greater than 5/8" (16 mm) thick	 <p>1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-notch</p>	30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m ² per L)	<i>Ultrabond ECO 975</i> <i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>
Moisture Control Method			
Flooring type	Typical trowel	Coverage	Products
Wood flooring greater than 3/8" (10 mm) and less than or equal to 3/4" (19 mm) thick	 <p>V-notch with lift spacers (included in packaging) 3/8" x 3/16" x 3/8" x 1/16" (10 x 4.5 x 10 x 1.5 mm)</p>	30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m ² per L)	<i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>
Wood flooring less than 3/8" (10 mm) in thickness	 <p>V-notch with lift spacers (included in packaging) 1/8" x 1/8" x 1/8" x 1/16" (3 x 3 x 3 x 1.5 mm)</p>	30 to 40 sq. ft. per U.S. gal. (0.73 to 0.98 m ² per L)	<i>Ultrabond ECO 983</i> <i>Ultrabond ECO 985</i>



Green Building Standards and Certification Programs (continued)

MAPEI's wood-flooring adhesives contribute to LEED, the WELL Building Standard, Living Building Challenge, and many more green building standards and certification programs.



Manufacturer Inventory

MAPEI has developed Manufacturer Inventories (MI) to support our customers' demands for material transparency and to meet the requirements of many green building standards and certification systems. Our MIs meet the requirements of LEED's Materials and Resources credit Building Product Disclosure and Optimization – Material Ingredients, Option 1. These material ingredient reports have been third-party verified by GreenCircle Certified, LLC to follow LEED v4's requirements and contribute to 1.5 products under v4.1. They also contribute to Living Building Challenge and the WELL Building Standard.



Red List Free

In addition to our Manufacturer Inventories, MAPEI products contribute to the International Living Future Institute's Red List Free requirements. The Red List presents the "worst in class" materials, chemicals and elements known to pose serious risks to human health and the greater ecosystem that are prevalent in the building products industry. To meet the requirements of Living Building Challenge's Materials Imperatives, projects must avoid Red List chemical classes. Our material data is based on specific product formulas; changes in the formula and/or updates to the Red List may affect material data.

Visit www.mapei.com to find Sustainability Product Reports and other sustainability certifications and attributes for each of our products in the **Product Information Library**.



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