



# FLOORING PRODUCTS FOR SOUND REDUCTION





MAPEI's comprehensive line of sound-reduction products provides the ideal solution for multi-family buildings that are prone to impact noise, such as foot traffic. Designed for commercial and residential properties, these sound-reducing products are compatible with a variety of flooring, including ceramic tile, stone, wood flooring and luxury vinyl plank.

This brochure highlights the products and a few of the acoustic ratings. Contact your MAPEI representative for more information.



# Adhesives



	Product Code	Packaging
U.S.	1947715	Pail: 4 U.S. gals.

## Ultrabond ECO® 985

### Hybrid-Polymer-Based, Moisture-Control and Sound-Reducing Wood-Flooring Adhesive

*Ultrabond ECO 985* is MAPEI's 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 volatile organic compounds (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.



	Product Code	Packaging
U.S.	0657815	Pail: 4 U.S. gals.

## Ultrabond ECO® 987

### Modified-Silane-Based, Moisture-Control and Sound-Reduction Wood-Flooring Adhesive

*Ultrabond ECO 987* is a thixotropic, modified-silane-based, moisture-control and sound-reduction wood-flooring adhesive. Its unique formulation provides superior trowel-ridge holdout for better transfer to flooring during installation.



	Product Code	Packaging
U.S.	1945815	Metal pail: 4 U.S. gals.

## Ultrabond ECO® 995

### Premium Moisture-Control, Sound-Reduction and Wood-Flooring Adhesive

*Ultrabond ECO 995* is MAPEI's 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.

# Membranes

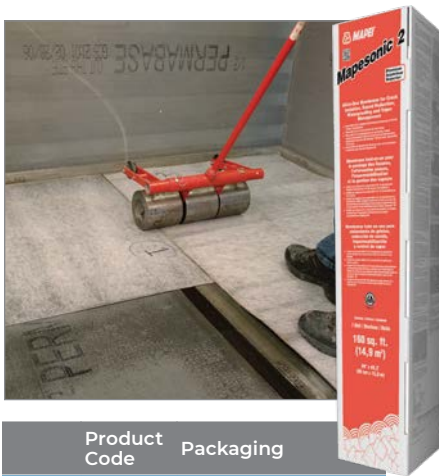


## Mapeguard® 2

### 3-in-1 Membrane for Crack Isolation, Waterproofing and Sound Reduction

Mapeguard 2 is a next-generation, flexible, thin, 40-mil (1-mm) lightweight, load-bearing, fabric-reinforced “peel-and-stick” crack-isolation, waterproofing and vapor-control membrane. Mapeguard 2 helps to prevent existing or future in-plane floor cracks (with movement up to 3/8" [10 mm] wide) from transmitting through grout, ceramic tile and natural stone. It also reduces the transmission of impact sound (footsteps, dropped objects, etc.) and airborne sound (voice, TV, etc.) through floors when installed under ceramic tile, stone or wood floor coverings.

	Product Code	Packaging
U.S.	76392113005USA	Boxed roll: 39.4" X 68.6 ft. (225 sq. ft.)



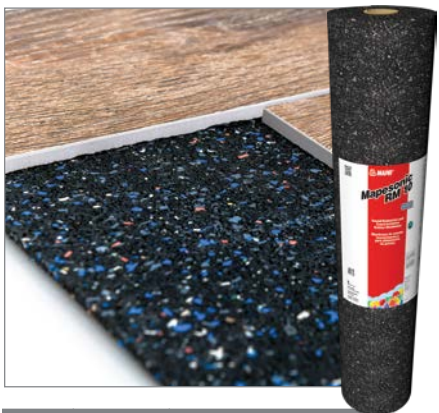
## Mapesonic™ 2

### All-in-One Membrane for Crack Isolation, Sound Reduction, Waterproofing and Vapor Management

Mapesonic 2 is a patented, next-generation, flexible, 76-mil thin, lightweight, load-bearing, fabric-reinforced, “peel-and-stick” membrane for sound reduction, crack isolation, waterproofing and vapor management. Application of Mapesonic 2 can be immediately followed by installation of finished flooring.

Mapesonic 2 reduces transmission of impact sound (such as footsteps and dropped objects) and airborne sound (such as voice and TV) through floors when installed under ceramic tile, stone, vinyl and wood floorings. It also helps to prevent existing or future in-plane floor cracks (with movement up to 3/8" or 10 mm wide) from transmitting through grout, ceramic tile and natural-stone assemblies.

	Product Code	Packaging
U.S.	2817215	Boxed roll: 39" x 49.2 ft. (160 sq. ft.)



## Mapesonic™ RM

### Premium, Sound-Reduction Rubber Membrane

Mapesonic RM is a high-performance, acoustic underlayment designed to reduce ambient and impact sound transmissions in installations of ceramic and porcelain tile, natural stone, wood flooring, luxury vinyl tile (LVT), luxury vinyl plank (LVP), sheet vinyl and carpet tile. Mapesonic RM is ideal for applications in apartments, condominiums, college dormitories, classrooms and office buildings.

	Product Code	Packaging
U.S.	2817328	Roll: 2 mm thick, 4 ft. x 75 ft. (300 sq. ft.)
	2817409	Roll: 5 mm thick, 4 ft. x 25 ft. (100 sq. ft.)
	2817809	Roll: 10 mm thick, 4 ft. x 25 ft. (100 sq. ft.)



## Features and benefits of MAPEI sound-reduction products

	Finished Flooring	Features	Advantages	Benefits
<b><i>Mapeguard 2</i></b>	Ceramic tile, stone and glue-down wood flooring	A 40-mil, lightweight, peel-and-stick membrane for crack isolation and sound mitigation	Installs faster than membranes with 1-piece liners; easy to position on the floor and cut to size; lower build height when compared to traditional 1/4" cork	Peel-and-stick feature saves contractors time on the job
<b><i>Mapesonic 2</i></b>	Ceramic tile, stone, glue-down wood flooring and LVT/LVP	A 76-mil, lightweight, peel-and-stick membrane for crack isolation and sound mitigation	Installs similarly to <i>Mapeguard 2</i> but with better sound-mitigating properties	Peel-and-stick feature saves contractors time on the job
<b><i>Mapesonic RM</i></b>	Depending on thickness – Ceramic tile, stone, glue-down/floated wood flooring and LVT/LVP	A rubber underlayment made from recycled tires available in 3 thicknesses (2 mm, 5 mm, 10 mm), requiring adhesive to bond to substrate	Relatively inexpensive and scores points for diverting used tires from going into landfills	Saves costs and gains points for sustainability
<b><i>Ultrabond ECO 985</i></b>	Wood and bamboo flooring	A trowel-on, single-step, hybrid-polymer-based wood-flooring adhesive with sound-reduction and moisture-control properties; doesn't require a primer	Moisture-control, sound-reduction and bonding system in a single product	Saves contractor on material cost and labor vs. systems that require priming and an underlayment
<b><i>Ultrabond ECO 987</i></b>	Wood and bamboo flooring	A trowel-on, single-step, hybrid-polymer-based wood-flooring adhesive with sound-reduction and moisture-control properties; doesn't require a primer	Moisture-control, sound-reduction and bonding system in a single product	Saves contractor on material cost and labor vs. systems that require priming and an underlayment
<b><i>Ultrabond ECO 995</i></b>	Wood and bamboo flooring	A trowel-on, single-step, moisture-curing urethane adhesive with sound-reduction and moisture-control properties; doesn't require a primer	Moisture-control, sound-reduction and bonding system in a single product	Saves contractor on material cost and labor vs. systems that require priming and an underlayment

# IIC Ratings

The following presents acoustic test results for the “typical” installation. Be sure to check with your city and/or HOA’s code as each varies.

## IIC Ratings with 6" concrete slab assemblies

Ratings are shown as no suspended ceiling / with ceiling

	Delta IIC	Finished Flooring Type		
		Tile	Wood	Luxury Vinyl Tile/Plank
<b>Mapeguard 2</b>	16	47 / 64	51 / 71	
<b>Mapesonic 2</b>	21	50 / 70	51 / NA	50 / 70
<b>Mapesonic RM</b>				
2 mm	21			51 / NA
5 mm	22	50 / 62	50 / 66	
10 mm	22	50 / 62	50 / 66	
<b>Ultrabond ECO 985</b>	17		44 / 68	
<b>Ultrabond ECO 987</b>	19		48/65	
<b>Ultrabond ECO 995</b>	21		50 / 68	

## IIC Ratings with 8" concrete slab assemblies

Ratings are shown as no suspended ceiling / with ceiling

	Finished Flooring Type		
	Tile	Wood	Luxury Vinyl Tile/Plank
<b>Mapesonic 2</b>	50 / 72		NA / 72
<b>Mapesonic RM</b>			
2 mm	NA	NA	54 / NA
5 mm	52 / 64	53 / 66*	NA
10 mm	54 / NA	53 / 65*	NA

\* Engineered wood

\*\* Solid hard wood

Contact MAPEI’s Technical Services Department for acoustical reports and details about assemblies. Additional assemblies and reports are available, but have not been summarized here.

## Tips for installing sheet-style sound-control membranes



- Before selection of a sound-mitigating product or system, know your city's code requirements and the minimum Impact Insulation Class (IIC) and Sound Transmission Class (STC) ratings that a product must meet. And some building owners or HOAs may require higher sound numbers than what codes require, so look into this.
- Getting sheet-style sound-control membranes to fit perfectly into an odd-shaped room can sometimes be a challenge. Always measure twice and cut once before applying adhesive or before removing the paper covering. Although cutting the membrane into smaller sections may make the installation easier, it could reduce the overall sound performance properties if there are too many gaps due to an excessive number of seams.
- Carefully follow MAPEI's written instructions regarding seam transitions. Are you supposed to overlap sheets, butt the seams, or leave a gap?
- Carefully follow MAPEI's written instructions regarding mandatory gap requirements around perimeter walls and interior columns. Are you supposed to butt the membrane up to the wall or leave a gap?
- When using a peel-and-stick sheet-style membrane, it's critical to have a perfectly smooth, spotlessly clean substrate. Otherwise, the membrane will not stick properly. Always prime if it's required by the membrane manufacturer, and make certain to use the correct primer.

### Did you know?

*Mapesonic RM* is one of the most sustainable products that MAPEI offers. It is made from recycled tires and contains 83% post-consumer recycled content. For every million square feet of *Mapesonic RM* installed (2-mm thickness), 14,336 tires are diverted from going into a landfill.



## HIGH-PERFORMANCE SYSTEMS WITH BUILT-IN CONFIDENCE



### MAPEI's System Warranties

System warranties from MAPEI provide enhanced coverage, including replacement product and reimbursement of associated replacement costs. When considering a system warranty, the customer and the MAPEI representative should review the MAPEI products applicable for each category of the installation – such as surface preparation, waterproofing, mortars and grouts. For any installation exceeding 10,000 square feet, contact MAPEI's Technical Services Department to confirm the system recommendations.

### Special Circumstance Warranties

Commercial and residential contractors can contact their distributor to locate a MAPEI sales representative, who can provide a project warranty when it is a required contract document. All project warranties must be requested prior to the start of the installation.



Visit our Website's video library or go to [www.youtube.com/mapeiusa](http://www.youtube.com/mapeiusa) for engaging videos on product installations and technical tips.



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(954) 246-8888

#### Technical Services

##### U.S. and Puerto Rico:

Flooring: 1-800-992-6273

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

#### Customer Service

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

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Printed in the USA.



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