

MAPEI's Flooring Products for **Sound Reduction**

Adhesives Tape Membranes



MAPEI

www.mapei.com

ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING





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.



Membranes



	Product Code	Packaging
Canada	04051	Roll: 39.4" x 68.6' (1 x 20.9 m)

Mapeguard® 2

Premium Crack-Isolation and Sound-Reduction Sheet Membrane

Mapeguard 2 is a next-generation, flexible, thin, 40-mil, lightweight, load-bearing, fabric-reinforced "peel-and-stick" crack-isolation membrane. After application, ceramic tile or stone can be installed immediately with any polymer-modified cement-based mortar. Glue-down wood flooring can also be installed with any MAPEI urethane adhesive.

Mapeguard 2 helps to prevent existing or future in-plane floor cracks (with movement up to 10 mm (3/8") wide) from transmitting through grout, ceramic tile or 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
Canada	04140000	Roll: 39" x 49.2' (99 cm x 15 m)

Mapesonic™ 2

Premium Sound-Reduction and Crack-Isolation Sheet Membrane

Mapesonic 2 is a patent-pending, next-generation, flexible, 76-mil thin, lightweight, load-bearing, fabric-reinforced "peel-and-stick" sound-reduction and crack-isolation membrane. Application of *Mapesonic 2* can be immediately followed by installation of flooring: ceramic tile or stone with a recommended MAPEI polymer-modified, cement-based mortar; luxury vinyl tile or luxury vinyl plank with an appropriate MAPEI flooring adhesive; or glue-down wood flooring with any MAPEI urethane or hybrid-polymer-based wood adhesive.

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 floor coverings. It also helps to prevent existing or future in-plane floor cracks (with movement up to 10 mm (3/8") wide) from transmitting through grout, ceramic tile and natural-stone assemblies.



Features and benefits of MAPEI sound-reduction products

	Finished Flooring	Features	Advantages	Benefits
<i>Mapeguard 2</i>	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 6 mm (1/4") cork	Peel-and-stick feature saves contractors time on the job
<i>Mapesonic 2</i>	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
<i>Mapectact SRT</i>	Resilient and wood flooring	A double-sided, lightweight, foam-core, dry-film tape that serves as a high moisture barrier with sound-reduction properties; does not require a primer	Ready for instant use; no waiting for adhesives to cure and no subfloor moisture testing required	Saves contractor on material cost and labor vs. systems that require priming and an underlayment
<i>Ultrabond ECO 985</i>	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
<i>Ultrabond ECO 995</i>	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 15.2 cm (6") concrete slab assemblies

Ratings are shown as no suspended ceiling / with ceiling

	Delta IIC	Finished Flooring Type		
		Tile	Wood	Luxury Vinyl Tile/Plank
<i>Mapeguard 2</i>	16	47 / 64	51 / 71	
<i>Mapesonic 2</i>	21	50 / 70	51 / NA	50 / 70
<i>Mapecontact SRT</i>	24		50 / 70* 52 / 69**	50 / 69
<i>Ultrabond ECO 985</i>	17		44 / 68	
<i>Ultrabond ECO 995</i>	21		50 / 68	

IIC Ratings with 20.3 cm (8") concrete slab assemblies

Ratings are shown as no suspended ceiling / with ceiling

	Finished Flooring Type		
	Tile	Wood	Luxury Vinyl Tile/Plank
<i>Mapesonic 2</i>	50 / 72		NA / 72
<i>Mapecontact SRT</i>		44 / 68 54 / 65**	57 / 69

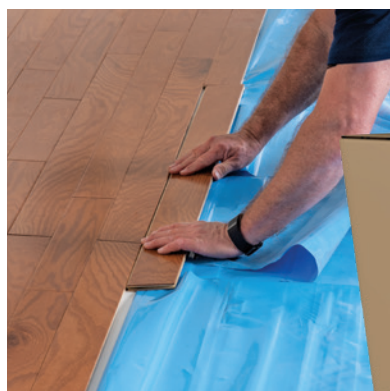
* Engineered wood

** 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.

Tape



Mapecontact™ SRT

Sound-Reduction, Moisture-Resistant Tape for Resilient and Wood Flooring Installation

Mapecontact SRT is a double-sided, foam-core, dry-film tape for rapidly and permanently installing solid vinyl sheet, vinyl tile and vinyl plank flooring, as well as prefinished engineered and solid wood. Providing sound reduction for multi-family living, it has also been specifically designed for instant bonding and instant utilization in residential and commercial floor installations. *Mapecontact SRT* is unaffected by high moisture conditions in concrete and can be installed without moisture testing. Plus, it provides subfloor moisture protection for wood and bamboo flooring.



	Product Code	Packaging
Canada	0634501	Roll: 3 ft. x 166 ft. (0.91 x 50.6 m)
	0634601	Roll: 1 ft. x 166 ft. (0.30 x 50.6 m)
	0634901	Roll: 6" x 166 ft. (15 cm x 50.6 m)
	0634801	Roll: 3" x 166 ft. (7.5 cm x 50.6 m)

Adhesives



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
Canada	98664	Pail: 4 U.S. gals. (15.1 L)



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.



	Product Code	Packaging
Canada	99568	Metal pail: 5 U.S. gals. (18.9 L)

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.

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.





MAPEI Canada

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Technical Services

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Customer Service

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