

MAPEI'S FLOORING PRODUCTS FOR **SOUND REDUCTION**

Adhesives

Tape

Membranes



www.mapei.com

MAPEI

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.



Tips for installing sheet-style sound-control membranes



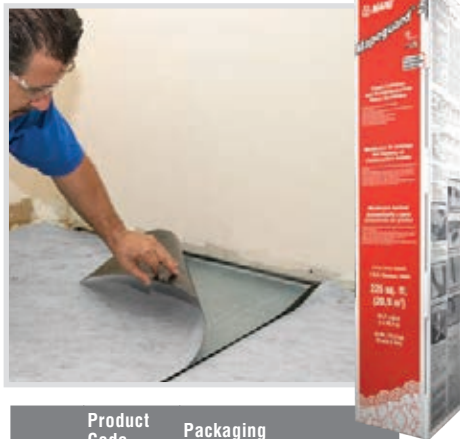
- Before selection of a sound-mitigating product or system, know your city's code requirements and the minimum Impact Insulation Class (IIC) and Sound Transmission Class (STC) ratings that a product must meet. And some building owners or HOAs may require higher sound numbers than what codes require, 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.



Membranes



| | Product Code | Packaging |
|------|--------------|--|
| U.S. | 04051 | Boxed roll: 39.4" X 68.6 ft. (225 sq. ft.) |

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 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 |
|------|--------------|--|
| U.S. | 04140000 | Boxed roll: 39" x 49.2 ft. (160 sq. ft.) |

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 3/8" wide) from transmitting through grout, ceramic tile and natural-stone assemblies.



| | 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.) |

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.

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 or solid wood. Providing sound reduction for multifamily 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 |
|------|--------------|-------------------------------------|
| U.S. | 0634501 | Roll: 3 ft. x 166 ft. (498 sq. ft.) |
| | 0634601 | Roll: 1 ft. x 166 ft. (166 sq. ft.) |
| | 0634901 | Roll: 6" x 166 ft. (83 sq. ft.) |
| | 0634801 | Roll: 3" x 166 ft. (41.5 sq. ft.) |

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 |
|------|--------------|--------------------|
| U.S. | 98664 | 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.



| | Product Code | Packaging |
|------|--------------|--------------------------|
| U.S. | 99568 | Metal pail: 5 U.S. gals. |



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 1/4" (6 mm) 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>Mapesonic RM</i> | 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 | Save costs and gains points for sustainability |
| <i>Mapecontact 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 6" concrete slab assemblies

Ratings are shown as no suspended ceiling / with ceiling

| | Delta IIC | Finished Flooring Type | | |
|--|----------------|------------------------|------------------------|-------------------------|
| | | Tile | Wood | Luxury Vinyl Tile/Plank |
| Mapeguard 2 | 16 | 47 / 64 | 51 / 71 | |
| Mapesonic 2 | 21 | 50 / 70 | 51 / NA | 50 / 70 |
| Mapesonic RM 2 mm 5 mm 10 mm | 21 22 22 | 50 / 62 50 / 62 | 50 / 66 50 / 66 | 51 / NA |
| Mapectact SRT | 24 | | 50 / 70* 52 / 69** | 50 / 69 |
| Ultrabond ECO 985 | 17 | | 44 / 68 | |
| Ultrabond ECO 995 | 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 |
| Mapesonic 2 | 50 / 72 | | NA / 72 |
| Mapesonic RM 2 mm 5 mm 10 mm | NA 52 / 64 54 / NA | NA 53 / 66* 53 / 65* | 54 / NA NA NA |
| Mapectact SRT | | 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.

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 Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) /
(954) 246-8888

Technical Services

1-800-992-6273 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service

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

For the most current product data and BEST-BACKEDSM warranty information, visit www.mapei.com.

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



MAPEI USA