

Customized Systems
Available for:

Finished Floors

- Hardwood
- Ceramic Tile
- Stone
- Marble
- Vinyl
- Carpet
- Wood Parquet

Floating Floors

- Gypsum
- Lightweight Concrete
- Mortar Beds
- Plywood
- Cementitious Backer Board

Enkasonic[®]

Sound Control Matting

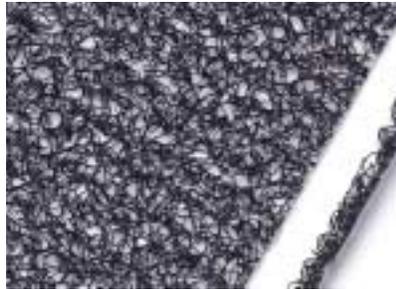


sound control

What is Enkasonic?

- lightweight
- open structure
- three-dimensional matrix
- extruded nylon construction
- thin cross section

Noise is the most litigated issue in condominium and apartment ownership. People don't mind living close together, they just don't want to hear one another talk or walk across the floor, their music or any of their appliances. In the past, other methods have been used to try to inhibit noise transfer, but Enkasonic is the best solution for improving both the airborne sound quality and most importantly, that elusive impact sound.



Side View

Enkasonic's open structure creates a void in the floor's construction that breaks sound transmission between the ceiling-floor assembly.

The Material that's been around since.... the mini-skirt.

Well, not quite that long! Beginning with the booming 1980 s condo craze, Enkasonic has been solving sound control problems from coast to coast. Backed by the most complete testing and research data of any sound control system, Enkasonic continues

to meet or exceed demanding building code requirements. From hardwood to vinyl, Enkasonic works economically with every type of flooring assembly and offers STC and IIC levels unrivaled in the industry. No other system on the market today offers the versatility and value of the Enkasonic sound control system.



Since 1982, millions of square feet of Enkasonic have been installed:

- ✧Coca-Cola Headquarters — Atlanta, GA
- ✧Southwest Crossings — Naperville, IL
- ✧CBS Studios — Los Angeles, CA
- ✧Beverly Hills Hotel/Bungalows — Beverly Hills, CA
- ✧U.S. Holocaust Memorial Museum — Washington, D.C.
- ✧MGM Grand Hotel — Las Vegas, NV
- ✧Tuxedo Park — Chicago, IL
- L. R. Development**
- ✧Ft. Sheridan — Highland Park, IL
- ✧Park Hyatt — Chicago, IL
- MCL Development**
- ✧Central Station and Cornell Square — Chicago, IL

Using the Enkasonic sound control system cuts airborne and impact sound transmission over 20 decibels in some assemblies.





Preparing to complete installation of Enkamat 7918R over Enkasonic.

NEW! 3/4 Inch Topping Application

Achieve industry standard 3/4 inch topping by using Enkamat 7918R with gypsum and cement based underlayers. This new system is:

- ✦ Certified by the Ceramic Tile Institute of America
- ✦ Tested by the Tile Council to pass residential ratings
- ✦ Requires no crack isolation with ceramic tile
- ✦ Provides a better surface for ceramic tile than traditional topping.

We've Created The Complete System

Colbond Building Products offers all of the components needed for a superior sound system.

- ✦ Sound Control Mat
- ✦ Perimeter Isolation
- ✦ Reinforcement for Concrete, Lightweight Concrete and Gypsum.

Consider this when judging sound control performance...

Dynamic Stiffness* - In Europe and Asia sound control products are put to this test to quantify a resilient products effectiveness under a floating slab. The test allows for a comparison of products and the lower the number the better the performance. With a dynamic stiffness factor of 28.43MN/m³ Enkasonic continues to outperform rubber pads (49.0) and polymer sheets (41.0) everytime. *That's up to 60% better than the competition!*

* Tested in accordance with ISO 9052-1

Resonant Frequency - All materials have a resonant frequency - a frequency at which sound is amplified rather than filtered. The goal of any sound control mat is to lower the resonant frequency outside of the audible range (below 100Hz or above 3000Hz.) Enkasonic has been tested and rated with a resonant frequency of 46.8 Hz. Well below the audible level for all but the family dog!

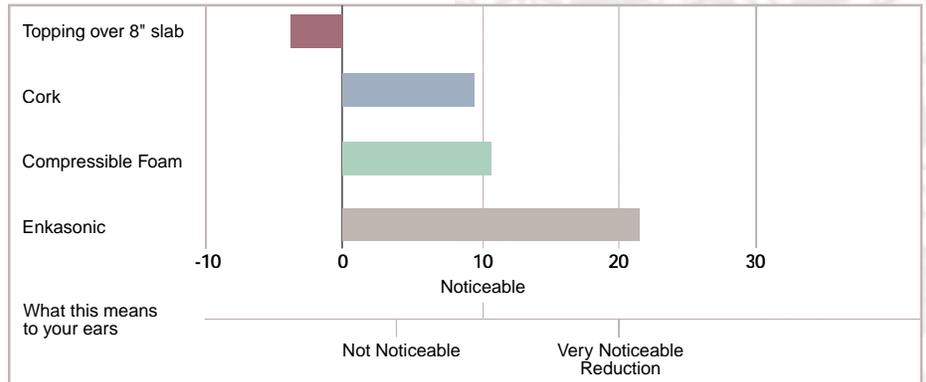


Luxury condominiums will have stained concrete finished floors.

Enkasonic is...

- easy to install
- used to create the "void" essential for sound isolation
- resilient enough to absorb impact sound
- ideal for new construction and rehab projects

Decibel Reduction



Note: Tests were performed with no ceiling assembly on 1' x 3' sample, marble thinset to a 4" slab.

Sound Ratings – Tested Enkasonic Floor/Ceiling Assemblies

CONCRETE FLOOR SYSTEM					
SUBFLOOR	SUSPENDED CEILING	ENKASONIC OVERLAY	FLOOR COVERING	LAB TESTS STC	IIC
4"slab	no	7/16" Wonder-Board	tile	55	52
8"slab	no	7/16" Wonder-Board	tile	59	52
8"slab	yes	1 1/4" mortar bed	tile	61	62
8"slab	no	1 1/4" mortar bed	tile	60	54
8"slab	yes	1 1/4" mortar bed	vinyl tile	61	67
8"slab	yes	1 1/4" mortar bed	carpet & pad	61	79
8"slab	yes	1 1/4" mortar bed	5/16" wood parquet	61	65
8"slab	yes	2 Layers-3/8" plywood (min)	3/4" T&G oak	60	61
WOOD - JOIST FLOOR SYSTEM					
5/8" plywood	yes	7/16" Wonder-Board	tile	62	58
5/8" plywood	yes	1 1/4" Wonder-Board	tile	60	55
5/8" plywood	yes	1 1/2" poured gypsum*	tile	59	57

*Nobelseal® TS isolation membrane or equivalent is bonded to the poured gypsum prior to thinsetting the tile. CTI listings refer to the Ceramic Tile Institute Sound-Rated Floor Systems per bulletin CTI-R5-113-79. Details about the Sound-Rated Floor Systems listed above and others are available on request.



Enkasonic is Easy to Install

1. Ensure proper subfloor strength.
2. Install Perimeter Isolation Strip to prevent impact sound transmission through floor-wall contact area.
3. Place the Enkasonic over subfloor and tape joints.
4. Place the overlay on top of the Enkasonic.
5. Place the floor covering over the overlay.



Note: See installation bulletin for complete details.

Roll Dimensions and Weights

Core width	inches (cm)	39.0* (99.1)
Length	feet (meters)	111.0 (33.8)
Area	ft ² (m ²)	360.0 (33.5)
Roll diameter	inches (cm)	27.0 (68.6)
Gross roll weight	lbs. (kg)	58.0 (26.3)
Thickness	inches (cm)	0.4 (1.0)
Dynamic Stiffness	(MN/m ³)	(28.43)
Resonant Frequency	Hertz	46.8

Design and Installation Assistance

This brochure is intended as a general information piece. For technical help, specific information, or the name of our nearest manufacturer's representative, please contact: Colbond Inc., P.O. Box 1057, Enka, NC 28728; PH: 828-665-5050 or toll free: 800-365-7391, FAX: 828-665-5009
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Colbond Inc.

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