

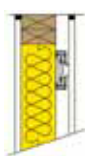
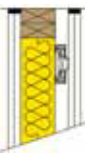

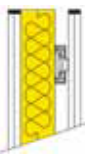

Noise Control Solutions for Floors, Walls,
Ceilings, and Structures



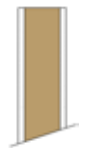
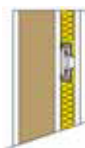


IsoMax

Resilient Sound Isolation Wall and Ceiling Clip

- Effective sound control at low installed cost
- Error free installation of standard drywall furring channel
- Low-profile design; maximizes available occupied space
- Best performance for the fewest dollars spent to build noise control ceilings and walls
- Exclusive UL design L583 offers 1-hour fire rating for typical wood-framed ceiling composites

Description	STC	Sections
5/8" Gypsum Board 2x4 Wood Stud Fiberglass Insulation IsoMax Clips 7/8" Drywall Furring Channel 5/8" Gypsum Board	57	
2 Layers of 5/8" Gypsum Board 2x4 Wood Stud Fiberglass Insulation IsoMax Clips 7/8" Drywall Furring Channel 2 Layers of 5/8" Gypsum Board	64	 
2 Layers of 5/8" Gypsum Board 1-5/8" x 3-5/8" Steel Stud Fiberglass Insulation IsoMax Clips 7/8" Drywall Furring Channel 2 Layers of 5/8" Gypsum Board	63	 

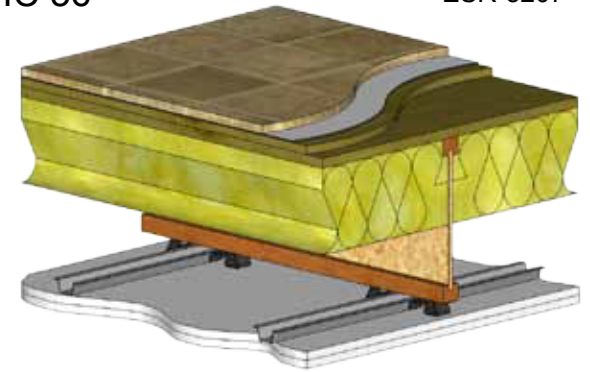
Description	STC	IIC	Sections
Hardwood Floor with 1/8" Pad Gypsum Concrete 3/4" Plywood 14" I-Joist 6" Fiberglass Insulation IsoMax Clips 7/8" Drywall Furring Channel 2 Layers of 5/8" Gypsum Board	54	57	  (UL Design 583)
5/8" Gypsum Board 2x4 Wood Stud 5/8" Gypsum Board	33		 Existing Wall
5/8" Gypsum Board 2x4 Wood Stud 5/8" Gypsum Board IsoMax Clips 1-1/2" Drywall Furring Channel Fiberglass Insulation 2 Layers of 5/8" Gypsum Board	52		 Wall Retrofit



CERAMIC TILE

STC 61
IIC 56

ICC
ES
ESR-3207



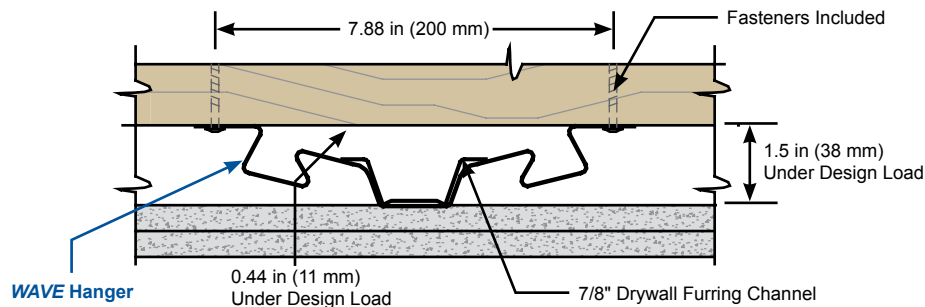
WAVE Hanger

Worldwide Patents Pending

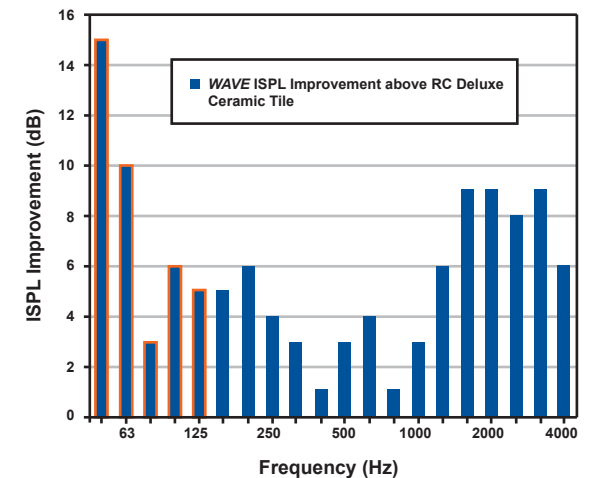
Quick and Easy Wood-Framed Installations

Don't design mixed use or multi-family projects without *WAVE* Hanger!

- Outperforms resilient channel and sound clips
- Highest performance-to-cost value for wood-framed floor/ceilings
- Fast and simple - No more pinching furring channel into clips!



ISPL Improvement vs. Resilient Channel



Concrete and Wood-Framed Ceiling Isolation Systems



ICC: Deck-Suspended Ceiling Hanger

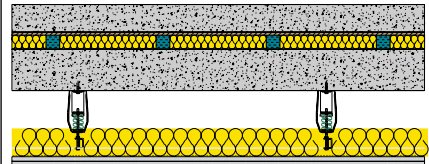
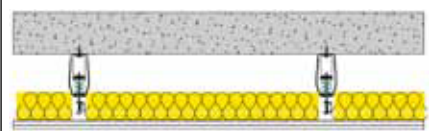


- Maximum natural frequency of 4.4 Hz under lightest typical load conditions
- Multiple features incorporated into the design ensure inexpensive installation; eliminates tying wire
- Spring/neoprene cup combination improves performance against low-frequency noise

Contact your local sales rep for wire-tie and other hanger options



IsoGrid: Quick-Connect Ceiling Hanger

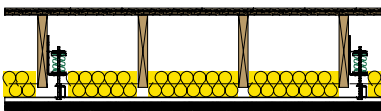

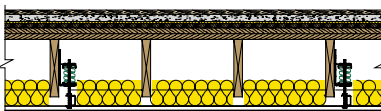

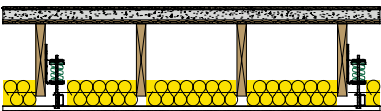

- Dramatic labor savings over conventional ceiling hangers
- Meet code requirements while maximizing ceiling height
- Various attachment methods allow for installation on a variety of ceiling structures
- Known deflection rates ensure performance under design loads

Description	STC	IIC	Sections
4" Concrete Slab 1/2" Plywood 2" RIM-Q-2-16 6" Concrete Slab ICC Isolation Hanger Cold Rolled Channel (CRC) Drywall Furring Channel 3-1/2" Fiberglass Insulation 2 Layers 5/8" Gypsum Board	94	82	 THE ULTIMATE SOLUTION
6" Concrete Slab ICC Isolation Hanger Cold Rolled Channel (CRC) Drywall Furring Channel 3-1/2" Fiberglass Insulation 2 Layers 5/8" Gypsum Board	84	70	
6" Concrete Slab KSCH Ceiling Hanger Rock Wool Batts Cold Rolled Channel (CRC) Drywall Furring Channel 2 Layers 5/8" Gypsum Board	72	51	
6" Concrete Slab IsoGrid Ceiling Hanger 6" Airspace Filled w/ Insulation Cold Rolled Channel (CRC) Drywall Furring Channel 2 Layers 5/8" Gypsum Board	63	50	



KSCH: Super-Compact Ceiling Hanger Patent No. 7,028,432

- Low 3-1/2" airspace using 7/8" drywall furring channel at 1/2" nominal spring deflection; Multiple mounting options
- Meets building code for STC/IIC 50 in smallest possible space

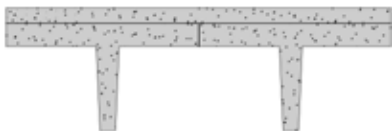
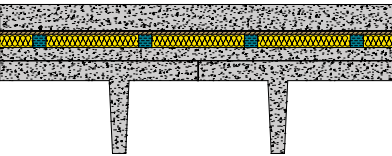

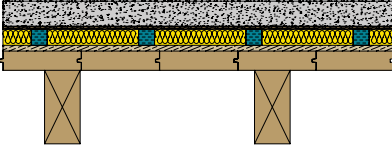
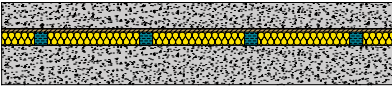
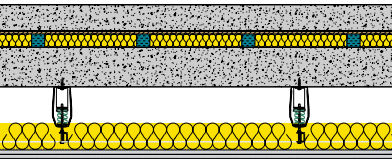
Description	STC	IIC	Sections
5/16" Parquet Flooring 5/8" Plywood 2 x 10 Joists ICW Ceiling Hanger Cold Rolled Channel (CRC) Drywall Furring Channel 3-1/2" Fiberglass Insulation 2 Layers 5/8" Gypsum Board	59	52	  (UL Design 581)
Hardwood Floor Over Vapor Barrier Mat 1-1/4" AccuCrete Slab 3/8" AccuQuiet Underlayment 3/4" Plywood 2 Layers Existing 1" x 6" Wood Subfloor 2x10 Joists 16" OC ICW Ceiling Hanger 6" Fiberglass Insulation Cold Rolled Channel (CRC) Drywall Furring Channel 2 Layers 5/8" Gypsum Board	FSTC 57	FIIC 62	  (UL Design 581)
3/8" Wood Floor 1-1/2" Concrete Slab 3/4" Plywood 2 x 10 Joists ICW Ceiling Hanger Cold Rolled Channel (CRC) Drywall Furring Channel 3-1/2" Fiberglass Insulation 2 Layers 5/8" Gypsum Board	76	62	  (UL Design 581)

ICW: Wood-Framed Ceiling Hanger

- **Exclusive** UL design L581 offers 1-hour fire rating for typical wood-framed ceiling composites
- Maximum natural frequency of 4.4Hz under lightest typical loads
- Actual installed load can vary between 75% and 150% of rated load without significant impact to ceiling performance
- Superior noise control for wood-framed construction without floor underlayment
- Ideal solution for new-build and renovations



Concrete Floating Floor Systems





Description	STC	IIC	Sections
2" Topping Slab Precast Concrete 14" Tee	54	24	
4" Concrete Slab 1/2" Plywood 2" RIM L-2-12 2" Topping Slab Precast Concrete 14" Tee	73	70	
4" Concrete Structural Floor 6" Concrete Structural Floor	49 53	25 27	
3" Lightweight Concrete (polished) 1/2" Plywood 2" RIM L-2-16 3-1/2" Wood Deck Subfloor Steel Beam and Glue Lam Joist Support No Ceiling	NNIC* 62	FIIC 54	 <i>LOFT FIELD TEST</i>
4" Concrete Slab 1/2" Plywood 2" RIM-Q-2-16 6" Concrete Slab	72	62	
4" Concrete Slab 1/2" Plywood 2" RIM-Q-2-16 6" Concrete Slab ICC Isolation Hanger Cold Rolled Channel (CRC) Drywall Furring Channel 3-1/2" Fiberglass Insulation 2 Layers 5/8" Gypsum Board	94	82	 <i>THE ULTIMATE SOLUTION</i>



RIM: Roll-Out Isolation Mat System

- Design for any load range
- Easy to create 1", 2", 3", and 4" airspaces
- Fast, simple, inexpensive installation
- Installation and supervision available
- RIM System successfully installed for over 45 years
- Natural Frequency constant over a wide load range
- Slab cast-in-place with no lifting required; trades back on the job as soon as concrete cures

*Normalized Noise Isolation Class, field test for airborne noise reduction

Description	STC	IIC	Sections
Wood Flooring 4" Concrete Slab LSM Isolator 2" Air Space, Vented 6" Structural Slab		FIIC 72	
4" Reinforced Concrete Slab FLM Isolator w/ Neoprene Pad 2" Air Space 6" Structural Slab	69	61	
4" Reinforced Concrete Slab FLM Isolator w/ Model KIP Pad 2" Air Space 6" Structural Slab	69	61	
4" Reinforced Concrete Slab FLM Isolator w/ Neoprene Pad 4" Air Space 6" Structural Slab	71	63	

*Which is better?
Ask for full report.*



KSSM: Spring Formwork Isolation System

- Optimal placement of isolation system across low capacity structural floor designs
- Pre-loaded assemblies eliminate long wait to lift concrete slab
- Coordinate design directly with Alara-Lukagro at SD/DD Phase

LSM: Spring Lift Slab Concrete Floating Floor System



- Fabricated, non-cast isolator housings permit flexible product and system design that maximizes application opportunities for any slab thickness, air cavity, and/or load options
- LSM natural frequency of 3.13 Hz for 1" rated deflection springs . Other rated deflection springs available

FLM: Neoprene/KIP Lift Slab Concrete Floating Floor System



- Various load capacities offered in either fiberglass or neoprene isolators
- Easy to adapt for wide range of air spaces
- Standard mounts available for 4" thick concrete slabs
- Low-cost adapters available for thicker concrete slabs

Low Profile Floating Floors and Continuous Underlayment Systems

RIM: Roll-out Isolation Material



Highest Performance for Demanding Applications

Ideal for dance studios, loft style condominiums, music practice rooms, and other applications requiring high performance noise control. Surpasses performance of continuous underlayments due to the airspace and lower natural frequency created by KIP isolators.

Description	STC	IIC	Sections
1" Oak Hardwood Floor 3" Subfloor		FIIC 15	
3/4" Oak Hardwood Floor 3/4" Sleepers 1-1/2" Gypsum Concrete 2 Layers 1/2" OSB 1" RIM-L-1-16 1" Oak Hardwood Floor 3" Subfloor	FSTC 50	FIIC 45	
3/8" Plywood 2 Layers 3/4" Plywood 2" RIM-L-2-16 6" Concrete Slab	66	63	
Add 2 Layers 5/8" Gypsum Board between 2 Layers 3/4" Plywood	71	64	

Soundmatt: Low Profile for All Finish Floor Types



Economical and Effective

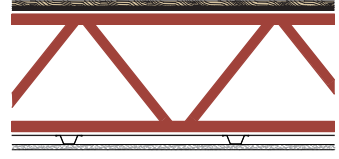
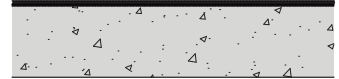
- Low cost continuous floor underlayment
- Low-profile underlayment for wood, tile, and carpet
- Fast, easy installation - no bonding required

Description	STC	IIC	Sections
Ceramic Tile 1/2" Wonderboard 5/16" Soundmatt 6" Concrete Slab	60	53	
Vinyl Floor Covering 1" Gypsum Concrete 5/16" Soundmatt 3/4" Oriented Stand Board (OSB) 18" I-Joist 3" Mineral Fiber Batts Resilient Channel 5/8" Gypsum Board		FIIC 51 +18	
without Soundmatt		FIIC 33	

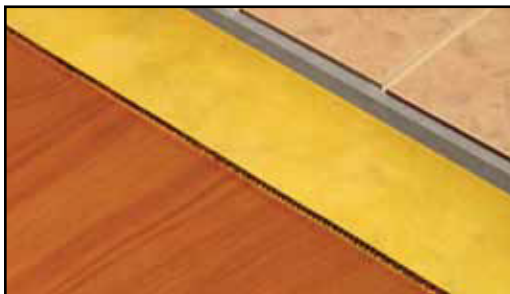
ISOLayment QT: Lowest Profile for Wood Floors and Ceramic Tile





- Low-cost, recycled rubber noise control underlayment
- Extensively tested at the top labs in the USA
- Two (2) Styles: Flat (F) and Bumpy (B) in full rolls

Engineered Wood ISOLayment QT-F 4" Concrete Hambro 500D System 1 Layer 1/2" GWB on furring channel	54	51	
Ceramic Tile ISOLayment QT-F 8" PT Slab		FIIC 59	

SR Floorboard: Sound Rated Floor System



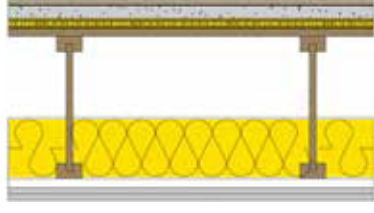
- Withstands live loads up to 1000 psf
- Cuts easily using standard construction knife
- Floor composites with finished tile flooring can be under two-inches (2") high

Description	STC	IIC	Sections
Ceramic Tile 7/16" Glass Mesh Mortar Unit/Bond Coat 5/8" SR Floorboard 8" Flexicore Precast Subfloor	59	+38	
5/8" Hardwood Floor 3/4" Plywood Subfloor 5/8" SR Floorboard 7" Concrete Slab		FIIC 54	

Ultra Quiet SR Floorboard: High Performance Sound Rated Floor System



- Same features as SR Floorboard with higher performance capabilities
- High resilience and sound absorption in a single layer

Description	STC	IIC	Sections
Hardwood Floor with 1/8" Pad 1-1/4" Gypsum Concrete 1" Ultra Quiet SR Floorboard 3/4" Plywood 14" I-Joist 6" Fiberglass Insulation Resilient Channel 2 Layers of 5/8" Gypsum Board	54	59	
No Resilient Channel	53	51	

- Approved for use with gypsum concrete, standard concrete, and built-up wood floors

Wall Isolation



Wallmat: Resilient Partition Isolation Pad

- Easy to install pre-cut strips
- Field cut to length with a utility knife
- Continuous resilient support of the partition
- Engineered for a wide range of studwall loads
- Use for both top and bottom plate installation



IsoBacker: Acoustical Fire Rated Outlet Backer Pad

- Underwriters Laboratories classified
- Maintains acoustical ratings per ASTM C 919 and ASTM E 497
- Testing to UL 263 (ASTM E119) and UL 1479 (ASTM E814)
- Outstanding adhesion to outlet boxes and other substrates
- UL listed for metallic and non-metallic outlet boxes



PSB and UniBrace L Resilient Sway Braces

When an isolated masonry or stud partition requires bracing to the adjacent vertical structure, this sway brace acoustically decouples the two walls.

Pipe/Duct Lagging Barrier Model KNM-100ALQ

Composite material designed to reduce the sound transmission from ductwork, piping, and equipment housings by combining a fire-rated limp mass barrier with a decoupling quilted fiber glass lining.

(KNM-100AL is available without the quilted fiberglass lining)

- Fire Rated Indoor or Outdoor Noise Barrier Material
- Barrier Overlap Tab for Fast, Noise-Tight Installation

Insertion Loss

Tested as a duct wrap over 2" fiberglass board (ASTM E1222-90)

Frequency, Hz	63	125	250	500	1000	2000	4000
KNM-100ALQ	2	10	16	27	35	34	33

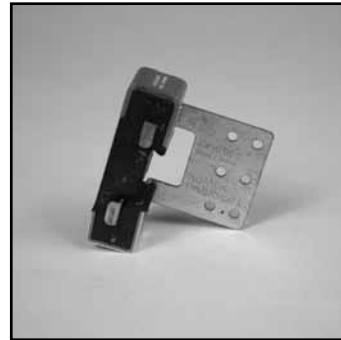
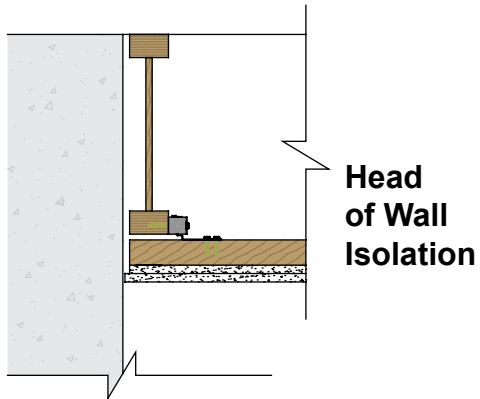
Tested as a duct wrap directly over duct (ASTM E1222-90)

Frequency, Hz	63	125	250	500	1000	2000	4000
KNM-100ALQ	3	6	7	18	24	27	28

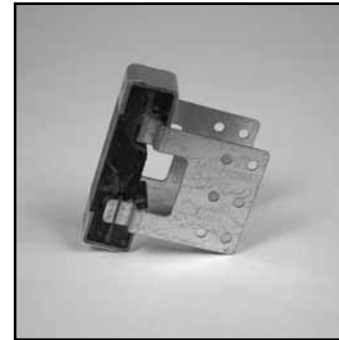


UniBrace

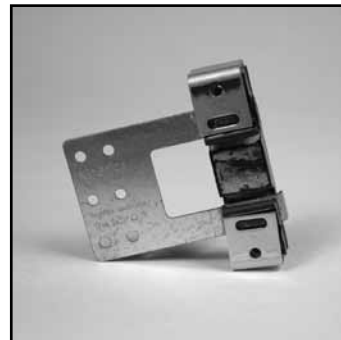
Quick and easy solutions to challenging isolation hurdles.



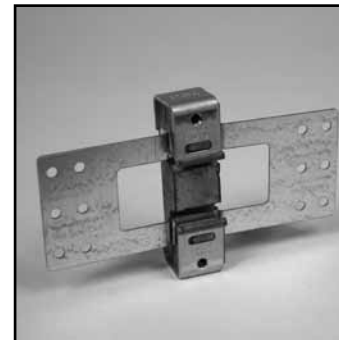
Single L



Double L



Single F



Double F

