

Noise Control Floor Underlayment Model Soundmatt



Description

Kinetics Soundmatt is a floor underlayment used to control sound transmission of both impact and airborne noise in floor systems. Soundmatt is a 5/16" (8 mm) thick underlayment comprised of pre-compressed molded glass fibers which provides a system stiff enough to prevent grout cracking in tile floors while being resilient enough to greatly reduce noise.

Application

Kinetics Soundmatt is used for controlling noise in condominiums, apartments, multi-family dwellings, commercial buildings, and other areas where footfall and impact noise can be the cause of occupant complaints.

Soundmatt allows the designer to meet and exceed codes. For example, the UBC (Uniform Building Code) for Sound Transmission Control states that "hotels and apartment houses" are "required to meet a sound transmission class (STC) of 50" and "an impact insulation class (IIC) of 50."

Impact noise can be intrusive to occupants in spaces below. Construction that calls for hard floor surfaces such as hardwood flooring, ceramic tile, quarry tile, marble, wood parquet, and vinyl tile are all areas where impact noise is of concern. Without a floor underlayment, intrusive impact noise can be objectionable.

Applications include:

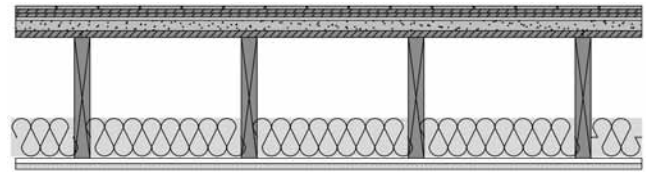
- Condominiums
- Apartments
- Schools
- Hotels
- Other multi-story occupied spaces



Noise Control Floor Underlayment - Kinetics Model Soundmatt

Wood Flooring
 2 Layers 3/8" Plywood
5/16" Kinetics® Soundmatt
 1" Gypsum Concrete
 5/8" Plywood
 2x12 Joist
 4" Mineral Fiber Batts
 Resilient Channel
 5/8" Fire-Rated Gypsum Board

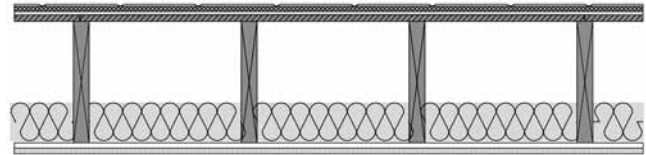
STC 58 IIC 54



Kinetics Test Number B7-a

Ceramic Tile
 1/2" Wonderboard
5/16" Kinetics® Soundmatt
 with Roofing Felt Underlayment
 5/8" Plywood
 2x12 Joist
 4" Mineral Fiber Batts
 Resilient Channel
 5/8" Fire-Rated Gypsum Board

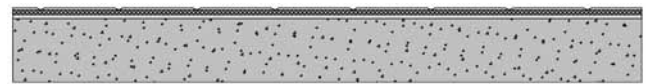
STC 63 IIC 54



Kinetics Test Number B7-c

Ceramic Tile
 1/2" Wonderboard
5/16" Kinetics® Soundmatt
 6" Concrete Slab

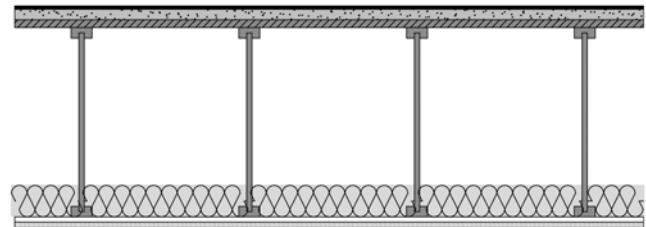
STC 60 IIC 53



Kinetics Test Number B7-d

Vinyl Floor Covering
 1" Gypsum Concrete
 3/4" Oriented Stand Board (OSB)
 18" I-Joist
 3" Mineral Fiber Batts
 Resilient Channel
 5/8" Drywall

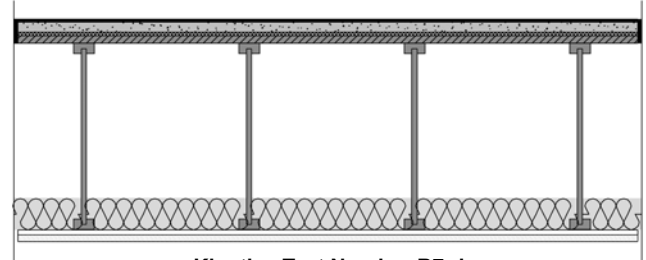
FIC 33



Kinetics Test Number B7-d

Vinyl Floor Covering
 1" Gypsum Concrete
5/16" Kinetics® Soundmatt
 3/4" Oriented Stand Board (OSB)
 18" I-Joist
 3" Mineral Fiber Batts
 Resilient Channel
 5/8" Drywall

FIC 51



Kinetics Test Number B7-d

Specification

Sound rated floor material shall be 5/16" (8 mm) thick precompressed high density Kinetics fiberglass board. The material will be able to withstand a maximum load of 1000 PSF (4898 kg/m²) without loss of resilience. The underlayment will consist of molded-resin-impregnated fiberglass which is non-corrosive, non-combustible, and, wet or dry will not shrink, swell, or decompose. The product shall have been tested by an independent acoustical laboratory per ASTM E90-97 and E492-900 with STC and IIC ratings of ___ and ___ based on the construction detailed (see above). The sound rated floor system shall be Model Type Soundmatt as manufactured by Kinetics Noise Control, Inc., Dublin, Ohio.



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Download Model IsoMax information including three-part specification, installation guidelines, and typical installation drawings at www.kineticsnoise.com/arch/isomax. Call the factory at 800-959-1229 if needing additional information; ask for Architectural sales. Purchase Model IsoMax and accessories through your local sales representative (www.kineticsnoise.com/arch/rep/).

Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes to this and all products without notice.