

Soundmatt

Noise Control Floor Underlayment



Description

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 precompressed 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

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".

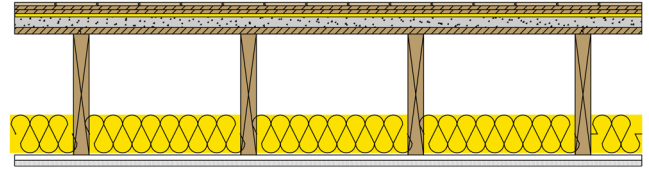
Impact noise can be intrusive to occupants in spaces below. Construction that calls for hard floor surfaces such as hardwood flooring, ceramic tile, quarry tile, marble, wood parquet, and vinyl tile are all areas where impact noise is of concern. Without a floor underlayment, intrusive impact noise can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

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

STC/IIC Sound Test Data

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

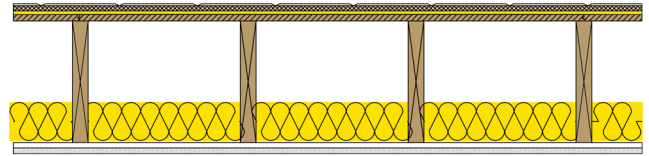
STC 58 IIC 54



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

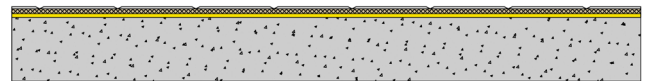
STC 63 IIC 54



Kinetics Test Number B7-c

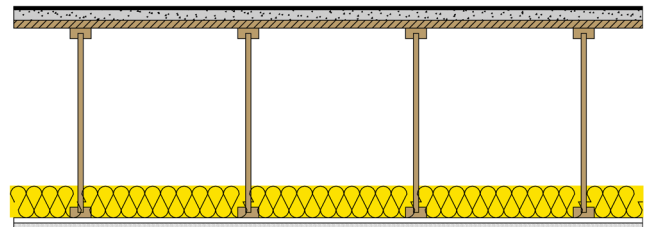
Ceramic Tile
 1/2" Wonderboard
5/16" KINETICS™ Soundmatt
 6" Concrete Slab

STC 60 IIC 53



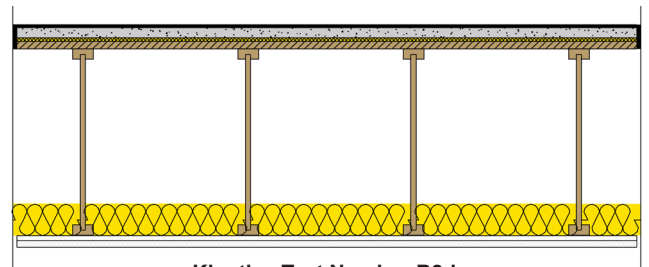
Kinetics Test Number B7-d

Vinyl Floor Covering
 1" Gypsum Concrete
 3/4" Oriented Strand Board (OSB)
 18" I-Joist
FIIC 33
 3" Mineral Fiber Batts
 Resilient Channel
 5/8" Drywall



Kinetics Test Number B8-a

Vinyl Floor Covering
 1" Gypsum Concrete
5/16" KINETICS™ Soundmatt
 3/4" Oriented Strand Board (OSB)
 18" I-Joist
FIIC 51
 3" Mineral Fiber Batts
 Resilient Channel
 5/8" Drywall



Kinetics Test Number B8-b

Visit www.kineticsnoise.com/arch/tests/icw.html for complete Soundmatt STC/IIC Sound test data



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