

SR Floorboard

Sound Rated Floor System



Kinetics SR Floorboard is a unique underlayment material which substantially reduces sound transmission through hard surface floor systems. Acoustical Lab Ratings of IIC (Impact Insulation Class) 59 to 65 have been achieved in typical applications, compared with IIC-25 to 34 with conventional construction.

SR Floorboard is a new concept in the control of noise in condominiums, apartments, multifamily dwellings, commercial buildings, and other areas where footfall and impact noise can be the cause of occupant complaints.

SR Floorboard is a 5/8" (16 mm) thick composite of high density molded glass fibers separated by a rigid phenolic-treated honeycomb core and provides a system which is stiff enough to prevent grout cracking in tile floors while being soft enough to absorb impact loads.

Application

Many occupants have a preference for hard surface floors such as ceramic tile, quarry tile, marble, hardwood flooring, engineered floors, or vinyl tile. Without carpeting to cushion footfalls, impact noise will be heard clearly in the occupied spaces below.

Many localities have adopted building codes which require minimum IIC and STC ratings for floor/ceiling systems. An IIC of 50 or less will result in disturbing impact sounds below. With an IIC of 50 to 60, certain sounds may be audible in the spaces below. Acousticians familiar with noise issues in high end condominium buildings often recommend a lab tested assembly with ratings in the 55 to 60 range to minimize occupant complaints.

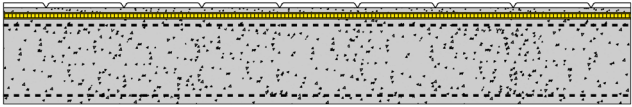
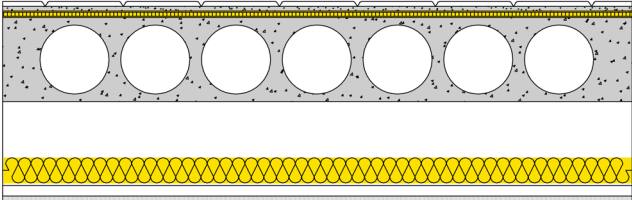
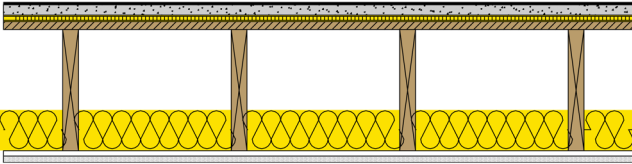
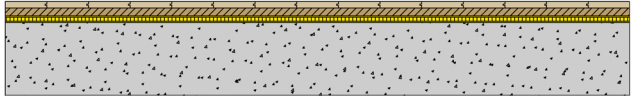
For use with either wood frame or concrete structural floors, SR Floorboard can be installed with a 1-1/2" (38 mm) reinforced mortar bed or 7/16" (11 mm) glass mesh mortar units to provide a stable underlayment for ceramic tile installations.

SR Floorboard systems have successfully met the requirements for durability in accordance with ASTM C627 as tested with ceramic tile finished floors.

Benefits

- **Improved IIC +38 points, IIC 21 to IIC 59** on a concrete subfloor with ceramic tile finish
- SR Floorboard will withstand live loads up to 1000 psf
- SR Floorboard maintains its strength even when wet
- SR Floorboard cuts easily using standard construction knife
- Floor composites with finished tile flooring can be under two-inches (2") high
- Does not shrink or curl like nylon fiber products

STC/IIC Sound Test Data

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| <p>Ceramic Tile 7/16" Glass Mesh Mortar Unit/Bond Coat 5/8" KINETICS™ SR Floorboard 8" Flexicore Precast Subfloor</p> <p><i>This assembly achieves a residential rating per ASTM C627</i></p> | <p>STC 59 IIC 59</p> | <p>+38 IIC points over bare concrete floor, IIC 21</p>  <p>KINETICS Test #AT001037</p> |
| <p>Ceramic Tile 7/16" Glass Mesh Mortar Unit/Bond Coat 5/8" KINETICS™ SR Floorboard 8" Flexicore Precast Subfloor 3-1/2" Fiberglass Fill in 10" Air Space 5/8" Gypsum Board on Resilient Channel</p> | <p>STC 60 IIC 65</p> |  <p>KINETICS Test #AT001039</p> |
| <p>Vinyl Flooring 1-1/2" Gypsum Concrete 5/8" KINETICS™ SR Floorboard 3/4" OxBoard 2"x12" Joists R-11 Fiberglass Insulation 1/2" Resilient Channel 5/8" Gypsum Board</p> | <p>FSTC 53 FIIC 54</p> |  <p>KINETICS Test #AT001041</p> |
| <p>5/8" Hardwood Flooring 3/4" Plywood Subfloor 5/8" KINETICS™ SR Floorboard 7" Concrete Slab</p> | <p>FIIC 54</p> |  <p>KINETICS Test #AT001048</p> |

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



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