

SPECIFICATIONS

KINETICS MODEL SR FLOORBOARD SOUND CONTROL UNDERLAYMENT

13080 SPECIAL CONSTRUCTION – NOISE & VIBRATION CONTROL

PART 1 - GENERAL

1.01 Work Included

- A. Furnish all labor, materials, tools and equipment for the installation of the sound control floor underlayment where shown on the contract drawings.

1.02 System Description

- A. The sound control underlayment is applied continuously as part of the floor system to control both impact/structureborne and airborne noise transmission through the floor into the space below.
- B. The perimeter of the floor areas where the underlayment is used shall have a continuous resilient joint to isolate structureborne noise from all adjacent non-isolated floors, walls, columns or other structure.

1.03 Quality Assurance

- A. The sound control underlayment shall be produced by a manufacturer having a minimum of five years' experience in furnishing similar noise control underlayment for floor systems.
- B. Submittals shall include test reports from independent laboratories meeting the following minimum criteria. Products not meeting these minimum test standards will not be accepted.
 - 1. Impact Insulation Class (IIC) - per ASTM E-492. The underlayment must achieve a minimum IIC rating of 59 when tested on a concrete structural floor (maximum 75 lbs./square foot) with a ceramic tile finish floor applied over cementitious backer units (1/2" thick) and the sound control underlayment. The system tested must meet the minimum IIC 59 rating without the benefit of a suspended ceiling of any kind. The Sound Transmission Class (STC), per ASTM E-90, must achieve a minimum STC rating of 59 tested under the same conditions without a ceiling.

2. Ceramic Tile Installation Testing – per ASTM C627. The sound control underlayment must achieve a minimum Residential rating for a construction similar to that specified and shown on drawings where ceramic tile is to be installed.

PART 2 - PRODUCTS

3.01 Materials

- A. The sound rated floor underlayment shall be Model SR Floorboard as manufactured by Kinetics Noise Control, Dublin, Ohio, (800) 959-1229. Represented by KPA Architectural Products in New England – Contact Keith Peterson (508) 591-7500
- B. The material consists of a 5/8” thick composite consisting of a rigid phenolic-treated honeycomb core molded between two layers of high-density glass fiber. The isolation board shall be capable of withstanding up to 1,000 lbs./sq. ft. loading with a maximum of 0.060” of additional deflection.
- C. The perimeter isolation material shall be 3/8” thick Model SRP perimeter board as manufactured by Kinetics Noise Control.

PART 3 – EXECUTION

3.01 Installation

- A. The correct installation of the sound control underlayment and the resilient perimeter isolation material is critical in order to achieve the desired noise reduction. Any rigid connections such as screws, staples or pipe penetrations, which physically connect the sound rated floor assembly to the structural floor below or to adjacent walls, will reduce the noise control performance of the system. All sound rated floor systems must be installed per the manufacturer’s installation guidelines.