



## Section 09 60 11 – Sound Isolation Membrane

### Three Part Guide Specifications for QQ Step Soft™

---

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Noise-reducing impact insulation systems for Wood Flooring, Laminate, Carpet and Tile.

##### 1.2 RELATED SECTIONS

- A. Section 09 64 00 - Wood Flooring  
Section 09 62 19 - Laminate  
Section 09 30 00 - Tile Setting

##### 1.3 REFERENCES

- A. U.S. Department of Housing and Urban Development (HUD): Guide to Airborne, Impact, and Structure Borne Noise Control in Multifamily Dwellings.
- B. American Society for Testing and Materials (ASTM)
  - 1. ASTM C627 Standard Test Method of Evaluating Ceramic Tile Installation Systems using the Robinson Type Floor Test

#### Typical Properties

Property	Test Method	Value
Density	ASTM D-792	47
Tensile Strength	ASTM D-412	90 psi
Elongation at Break	ASTM D-412	50%
Durometer	ASTM D-2240	35
Compression Set B	ASTM F-147	30
Tear PPI	ASTM D-624	30

C. Leadership in Energy and Environmental Design -LEED®

1. LEED is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most: energy savings, water efficiency, CO<sub>2</sub> emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.

1.4 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide recycled rubber resilient underlayment padding, which has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
  4. LEED Documentation of how the requirement for credit will be met.
- C. Selection Samples: For each finish product specified.
- D. Verification Samples: For each finish product specified.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The manufacturer shall be a firm with a minimum of two years of successful experience in manufacture of products with similar requirements.
- B. Installer Qualifications: The installer shall be a firm with a successful experience in installation of underlayment products
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  1. Finish areas designated by Architect.
  2. Do not proceed with remaining work until approved by architect.
  3. Refinish mock-up area as required to produce acceptable work.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and keep all material in manufacturer's unopened packaging until ready for use.

1.8 PROJECT CONDITIONS

- A. Acclimate all material within required temperature for 24 hours prior to install.

PART 2 PRODUCTS

2.1 MANUFACTURER: **Keene Building Products**

- A. Acceptable Manufacturer: Keene Building Products, Mayfield Heights OH 44124
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PRODUCT

- A. **QQ Step Soft 03/035; QQ Step Soft 05/035**

2.3 Noise-reducing impact insulation system for wood flooring, laminate, carpet, ceramic tile flooring

- A. Acceptable Product: **QQ Step Soft 03/035; QQ Step Soft 05/035**

1. Typical Physical Characteristics:

**Typical Properties**

Property	Test Method	Value
Density	ASTM D-792	47
Tensile Strength	ASTM D-412	90 psi
Elongation at Break	ASTM D-412	50%
Durometer	ASTM D-2240	35
Compression Set B	ASTM F-147	30
Tear PPI	ASTM D-624	30

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by Dependable, LLX for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions provided by Dependable, LLC.

### 3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION