

SECTION 09618

SOUND ISOLATION MEMBRANES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Noise-reducing impact insulation system for vinyl, linoleum and VCT floors.

1.2 RELATED SECTIONS

- A. Section 09650 – Resilient Flooring: Vinyl, linoleum and VCT floors.

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.

1.4 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.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

1.5 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 minimum of two years of successful experience in installation of products with similar requirements.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer All Noise Control
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 NOISE-REDUCING IMPACT ISOLATION SYSTEM FOR VINYL, LINOLEUM AND VCT FLOORS A.

Acceptable Product: Vinyl Underlayment as manufactured by All Noise Control.

- 1. Acoustical Performance Rating (IIC):
 - a. Wood Structure (IIC) 54, (FIIC) 57.
 - b. 6" Concrete slab (no ceiling) (IIC) 51.
- 2. Physical Characteristics:
 - a. MDF, polystyrene foam with aluminum film.
 - b. 3/8 inch (9.5 mm) thick 23 inches (584 mm) by 47 inches (1194 mm) boards.
 - c. 4 top and bottom boards.
- 3. Accessories:
 - a. 4 mil (0.1016 mm) polyethylene sheet.
 - b. Perimeter isolation material.
 - c. Polyethylene tape.
 - d. Acoustical caulk.

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 the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

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