

## PART 1 GENERAL

### 1.1 SECTION INCLUDES

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

### 1.2 RELATED SECTIONS

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

### 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 D5116 Standard Guide for small-scale environmental chamber determinations of Organic Emissions for Indoor Material/ Products
  - 2. ASTM E1007 Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission through Floor-Ceiling assemblies and Associated support structures
  - 3. ASTM E2179 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission through Concrete Floors
  - 4. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

### 1.4 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide FSC Cetified Wood Fiber Paladin 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. FSC Documentation of how the requirement for credit will be met.
- 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.

#### 1.6 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 minimum of two years of successful experience in installation of products with similar requirements.
- 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 workmanship, color, and sheen are approved by Architect.
  - 3. Refinish mock-up area as required to produce acceptable work.

#### 1.7 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.

#### 1.8 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 MANUFACTURER: **ANC RFU 9mm Acoustic Underlayment**

- A. Substitutions: Not permitted.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

#### 2.2 PRODUCT

- A. **ANC RFU 9mm wood fiber** Impact Sound Insulation Manufactured by ANC

#### 2.3 NOISE-REDUCING IMPACT INSULATION SYSTEM FOR FLOATED WOOD FLOORING, LAMINATE

- A. Acceptable Product: ANC RFU 9mm Wood Fiber Underlayment
  - 1. Acoustical Performance Rating (IIC):
    - A. Wood Structure (IIC) 55

- B. 6" Concrete slab (no ceiling) (FIIC) 59
  - C. 10" Concrete slab (no ceiling) (IIC) 62
2. Physical Characteristics:
- A. Made from FSC certified Wood Fiber waste
  - B. 9mm thick
  - C. Sheet Size: 23 1/4" x 33 7/8".
  - D. Material Weight .50 lb/ft<sup>2</sup>

### 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