



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 D5116 Standard Guide for small-scale environmental chamber determinations of Organic Emissions for Indoor Material/ Products
 - 2. ASTM C627 Standard Test Method of Evaluating Ceramic Tile Installation Systems using the Robinson Type Floor Test
 - 3. ASTM E1007 Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission through Floor-Ceiling assemblies and Associated support structures
 - 4. ASTM E2179 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission through Concrete Floors
 - 5. ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- 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, CO₂ 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, 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 **Regupol® Sonus™ by Regupol America**

- A. Acceptable Manufacturer: Regupol America; 33 Keystone Dr., Lebanon, PA 17042. Toll Free Tel: (800) 537-8737. Tel: (717) 675-2198. Fax: (717) 675-2199. Email: bmd@regupol.com. Web: [http:// www.Regupol.com](http://www.Regupol.com).
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PRODUCT

- A. **Regupol® Sonus™ 5mm** Recycled rubber Impact Sound Insulation Manufactured by Regupol America

2.3 NOISE-REDUCING IMPACT INSULATION SYSTEM FOR WOOD FLOORING, LAMINATE, CARPET, CERAMIC TILE FLOORING

- A. Acceptable Product: Regupol® Sonus™ 5mm Rubber
1. Acoustical Performance Rating (IIC):
 - A. Wood Structure (IIC) 57
 - B. 6" Concrete slab (no ceiling) (ΔIIC) 21 (IIC) 51
 - C. 6" Slab with Ceiling (IIC) 69
 2. Physical Characteristics:
 - A. Made from 100% recycled SBR (Styrene-Butadiene Rubber) tire rubber.
 - B. 5mm thick
 - C. 48 inches by 25 ft rolls.
 - D. Material Weight .85 lb/ft²

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