**PART 1 – GENERAL**

1.1 SUMMARY

1. Noise-reducing recycled rubber insulation

1.2 RELATED SECTIONS

1. Section 09 39 00 – Tiling
Section 09 60 00 – Flooring
Section 09 62 00 – Specialty Flooring
Section 09 63 00 – Masonry Flooring
Section 09 64 00 – Wood Flooring
Section 09 65 00 – Resilient Flooring
Section 09 67 00 – Fluid-Applied Flooring
Section 09 69 00 – Access Flooring
Section 13 28 00 – Athletic and Recreational Special Construction
Section 13 48 00 – Sound, Vibration, and Seismic Control

1.3 REFERENCES

1. U.S. Department of Housing and Urban Development (HUD): Guide to Airborne, Impact, and Structure Borne Noise Control in Multifamily Dwellings
2. American Society for Testing and Materials (ASTM)
	1. ASTM E492 – Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine
	2. ASTM D5116 – Standard Guide for small-scale environmental chamber determinations of Organic Emissions for Indoor Material/ Products
	3. ASTM C627 – Standard Test Method of Evaluating Ceramic Tile Installation Systems using the Robinson Type Floor Test
	4. ASTM E1007 – Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission through Floor-Ceiling assemblies and Associated support structures
	5. ASTM E2179 – Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission through Concrete Floors
	6. ASTM E90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission loss of Building Partitions and Elements
	7. ASTM F1869 – Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
3. Leadership in Energy and Environmental Design (LEED)
	1. LEED is an internationally recognized green building 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

1. Recycled rubber underlayment, which has been manufactured and installed to maintain performance criteria stated by the manufacturer, without defects, damage, or failure.

1.5 SUBMITTALS

1. Submit under provisions of Section 01300
2. Product Data: Manufacturer’s documents on each product to be used, including:
	1. Preparation requirements and recommendations.
	2. Storage and handling requirements and recommendations.
	3. Installation requirements and recommendations.
	4. LEED documentation meeting all credit requirements.
3. Samples: For each product specified, two samples, minimum size 6” x 6” (150 x 150 mm).

1.6 QUALITY ASSURANCE

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

1.7 DELIVERY, STORAGE, AND HANDLING

1. Store products in manufacturer’s unopened packaging until ready for installation.
2. 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

1. 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

1. REGUPOL America LLC – 11 Ritter Way, Lebanon, Pennsylvania 17042
Toll Free Phone: (800) 537-8737
Phone: (717) 675-2190
Fax: (717) 675-2199
Email: acoustics@regupol.com
Website: www.regupol.com/us/acoustics
2. Substitutions: Not permitted.

2.2 PRODUCT(S)

1. REGUPOL sonus curve 25 recycled rubber underlayment manufactured by REGUPOL America LLC.
	1. Properties
		1. 100% recycled SBR (styrene-butadiene rubber)
		2. Thickness: 25mm
		3. Rolls: 4’ x 25’ – 100 sqft
		4. Weight: 3.00 lb / sqft
2. REGUPOL sonus iso-strips recycled rubber perimeter isolation strip
	1. Properties
		1. 100% recycled SBR (styrene-butadiene rubber)
		2. Thickness: 6mm
		3. Strips: 4” x 60” – 1.7 sqft

**PART 3 – EXECUTION**

3.1 EXAMINATION

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

3.2 PREPARATION

1. Clean surfaces thoroughly prior to installation.
2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

1. Install in accordance with manufacturer’s instructions.

3.4 PROTECTION

1. Protect installed products until completion of project.
2. Touch-up, repair, or replace damaged products before completion.

END OF SECTION