TMS RUBBER UNDERLAYMENT 5MM

3 PART SPECS

Section 09 60 00.11: Sound Isolation Membranes

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 Materiel/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 Transmissions 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 international 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, carbon dioxide 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 instruction 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 or 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.

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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:

TMS 5MM Recycled Rubber Floor Underlayment.

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

A. Acceptable product: TMS 5MM Rubber Floor Underlayment

1. Acoustical Performance Rating (IIC)
A. Wood Structure (IIC) 57
B. 6” Concrete slab (no ceiling) (IIC) 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/sq. ft.

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 product before Substantial Completion.

END OF SECTION

The information and data contained herein are based on industry accepted testing, manufacturing tolerances and prior product usage as set forth. It is intended as descriptive of the performance characteristics and capabilities of TMS Rubber Underlayment and does not certify applicability for any particular or specific project. Technical assistance, calculations and design recommendations are available from the manufacturer and are subject to terms and conditions provided upon request.

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