

SECTION 09600.11

SOUND CONTROL UNDERLAYMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Sound-reducing underlayment for ceramic tile and stone flooring.

1.2 RELATED SECTIONS

- A. 09 30 13 - Ceramic Tiling & 09 30 16 - Quarry Tiling

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.

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.
 - 1. Installer Qualifications: The installer shall be a firm with a minimum of five 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 - 2731 Vista Parkway Suite # D-8 WPB, Florida 33411 - Ph. (561) 964-9360 - www.allnoisecontrol.com - info@allnoisecontrol.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 SOUND-REDUCING UNDERLAYMENT FOR CERAMIC TILE AND STONE FLOORING

- A. Acceptable Product: Impacta HardFloor as manufactured by Sound Seal.
 - 1. Acoustical Performance Rating (IIC):
 - a. Wood Structure (IIC) 52.
 - b. 6" Concrete slab (without ceiling) (Δ IIC) 20.
 - 2. Physical Characteristics:
 - a. Synthetic cork made from composite bead foam
 - b. .1875 inch (5 mm) thick.
 - c. 4 feet (1219 mm) by 4 feet (1219 mm) sheets.
- B. Accessories:
 - 1. T-700 Bond Coat Adhesive.
 - 1. Perimeter isolation material.
 - 2. (Optional) 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