Shield Guard Tile Backer

Spirit Acoustics Inc.

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<http://speechguard.net>

**SECTION 09 51 13**

**Ceiling Accessory**

**Shield Guard Tile Backer**

1. **GENERAL**
   1. SECTION INCLUDES
      1. Acoustic tile backer engineered to seal ceilings for speech privacy by preventing speech from entering ceiling plenum and traveling to neighboring areas. In addition this product blocks equipment noise from entering work spaces through ceiling tiles.
      2. Basic use: Shield Guard is manufactured to neatly integrate into standard suspended ceiling systems and provide for a private and quiet work space.
      3. A composite of three sheet materials
         1. Ceiling tile
         2. Acoustic De-coupler
         3. Fire Resistant Barrier
   2. REFERENCES
      1. ASTM International
         1. Flammability rating of Class A
         2. Test Method: Procedures In explicit conformity with the ASTM Designations E-84. Standard Test Method for “Surface Burning Characteristics of Building Materials.”
            1. The 25-foot tunnel method is also describe by NFPA 255 and UL 723 Laboratory, specific test methods are accredited by the International Accreditation Service (IAS) and this provided is in compliance with ISO/IEC Standards 17025, 17020, and Guide 65 (17065).
         3. STC – 27 Test Method: Procedures in explicit conformity with the ASTM Designations E90-09 and E413-10, as well as other pertinent standards. Laboratory has been accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) for this test procedure.
   3. SUBMITTALS
2. General: Submit listed submittals in accordance with conditions of the   
   contract.
3. 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. QUALITY ASSURANCE
      1. Product Qualifications: Products shall meet the following criteria:
         1. Surface Burning Characteristics (ASTM E84)
            1. Flame spread: 25, maximum.
            2. Smoke Developed: 450, maximum.
   4. DELIVERY, STORAGE, AND HANDLING
      1. Store products in manufacturer’s unopened packaging until ready for installation.
   5. PROJECT CONDITIONS
      1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer. Do not install products under environmental conditions outside of manufacturer’s recommendations.

**PART 2 PRODUCTS**

* 1. Shield Guard Tile Backer
     1. Manufacturer: Spirit Acoustics Inc.

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* + 1. Substitutions: Not permitted.
  1. MANUFACTURED UNITS
     1. Shield Guard
        1. Thickness: Core available 1/8” and 1/16” thick
        2. Weight: 1.1 pounds per square foot
        3. Product Dimensions:
           1. Size: [24 inches x 24 inches (610mm x 610mm)] or [24 inches x 48 inches (610mm x 1220mm)]
           2. 3.5 mm (0.12 in) thick non woven polyester adhered to a 3.05 mm (0.12 in) mass-loaded vinyl barrier backed with a 0.8 mm ( 0.003 in) flame retardant fabric (receive side)
     2. Product Performance:
        1. STC – 27 Test Method: Procedures in explicit conformity with the ASTM Designation E90-09 and E43-10
        2. Flammability Rating of Class A
           1. Test Method: Procedures In explicit conformity with the ASTM Designations E-84

**PART 3 EXECUTION**

* 1. EXAMINATION
     1. Site Verification of Conditions: Verify substrate conditions are acceptable for   
        product installation in accordance with manufacturer's instructions.
  2. INSTALLATION
     1. Shield Guard is installed on top of acoustic tile in suspended ceiling tile systems. No mounting clips or adhesive required for installation.

END OF SECTION