SECTION 13 48 13

Noise S.T.O.P.TM Mass Loaded Vinyl Barrier

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. Noise S.T.O.P.TM Mass Loaded Vinyl Barrier.
2. REFERENCES
	1. American Society for Testing and Materials (ASTM)
		1. ASTM E90: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
	2. International Code Council (ICC)
		1. ICC IBC: International Building Code
	3. Underwriters Laboratories (UL)
		1. UL 94: Standard for Tests for Flammability of Plastic Materials
3. **SUBMITTALS**
	1. Product Data: Manufacturer’s data sheet and installation instructions.
	2. Samples: Submit, at minimum, a 4” x 4” sample for each type of specified product.
	3. Test Reports: Upon request, submit certified test reports to verify specified product performance.
4. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide acoustical product from a single manufacturer.
		2. Installers: Utilize an installer having demonstrated experience on projects of comparable size and complexity.
	2. Performance Requirements:
		1. Surface Burning Characteristics: Acoustical product to perform as specified when tested in accordance with UL 94. Acoustical products surface burning performance should comply with the International Building Code and other local building code requirements.
		2. Acoustical Characteristics: Acoustical products to perform as specified when tested in accordance with ASTM E90.
5. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle products carefully to avoid any damage.
		2. Store products indoors in a clean, cool, dry place, and out of direct sunlight.
		3. Store products in a space where the ambient temperature and humidity conditions are being maintained at the levels indicated for the project when occupied for its intended use.
6. **SITE CONDITIONS**
	1. Ambient Conditions:
		1. Maintain ambient temperature and humidity conditions at levels indicated for the project when occupied for its intended use.
		2. Do not install products under environmental conditions outside manufacturer’s recommended limits.
	2. Existing Conditions: Do not install products until space is enclosed and weather proofed, and wet work is completely dry.
7. **WARRANTY**
	1. Provide manufacturer’s written product warranty per Section 01 77 00 – Closeout Procedures.

**PART 2 PRODUCTS**

(Specifier Note: Red colored text below requires you to select an option before this specification can be completed. Options in red text are bound by parenthesis. Additional Noise S.T.O.P. Mass Loaded Vinyl Barrier information can be found on our website <https://www.acousticalsurfaces.com/noise_barrier/vinylbar.htm>)

1. **MANUFACTURERS**
	1. Acoustical Surfaces, Inc., 123 Columbia Court N, Chaska, MN 55318.
	Phone: 952-448-5300. Fax: 952-448-2613. Website: www.acousticalsurfaces.com
2. **DESCRIPTION**
	1. Product: Noise S.T.O.P.TM Mass Loaded Vinyl Barrier by Acoustical Surfaces, Inc.
	2. Product Options:
		1. Composition: Mass loaded vinyl barrier
		2. Thickness and Weight: (1/16” – 1/2 lb/sqft) / (1/8” – 1 lb/sqft) / (1/4” – 2 lb/sqft)
		3. Size: 1 lb/sqft size: (54” x (20’) / (30’) / (60’) roll) / (2’ x 2’ sheet) /
		 (2’ x 4’ sheet) / (4’ x 8’ sheet)
		 1/2 lb/sqft size: 54” x 20’ roll
		 2 lb/sqft size: 54” x 20’ roll
		4. Finish: Black and Gray
		5. Mounting Method: (In-Wall) / (In Ceiling Plenum)
	3. Product Performance:
		1. Acoustical Performance
			1. Sound Transmission Classification (STC) per ASTM E90:

|  |  |  |  |
| --- | --- | --- | --- |
| Weight | 1/2 lb/sqft | 1 lb/sqft | 2 lb/sqft |
| STC Rating | 20 | 27 | 31 |

* + 1. Surface Burning Performance
			1. Fire Rating per UL 94: 94V-0.

**PART 3 EXECUTION**

1. **EXAMINATION**
2. Verification of Conditions:
3. Examine surfaces scheduled to received furred out or directly attached acoustical units for unevenness, irregularities or dampness that would affect quality and execution of work.
4. All wet work in the installation area must be complete, cured, and dry prior to installation.
5. **INSTALLATION**
6. Comply with manufacturer’s instructions and recommendations for installation of wall panels and with industry standards.
7. **PROTECTION**
8. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the owner.

END OF SECTION