SECTION 07 21 16

UltraTouchTM Insulation

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. UltraTouchTM insulation.
2. REFERENCES
	1. American Society for Testing and Materials (ASTM)
		1. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
		2. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
		3. ASTM E795: Standard Practices for Mounting Test Specimens During Sound Absorption Tests
	2. International Code Council (ICC)
		1. ICC IBC: International Building Code
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 insulation.
	3. Test Reports: Upon request, submit certified test reports to verify specified product performance.
4. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide acoustical insulation 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 ASTM E84. Acoustical products surface burning performance should comply with the International Building Code and other local building code requirements.
5. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle insulation carefully to avoid any damage.
		2. Store insulation indoors in a clean, cool, dry place, and out of direct sunlight.
		3. Store insulation 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 insulation under environmental conditions outside manufacturer’s recommended limits.
	2. Existing Conditions: Do not install insulation 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 UltraTouch information can be found on our website <https://www.acousticalsurfaces.com/wall_insulation/ultratouch.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: UltraTouchTM insulation by Acoustical Surfaces, Inc.
	2. Product Options:
		1. Panel Composition: Thermally bonded natural cotton fiber insulation
		2. Panel Thickness: (3”) / (3-1/2”) / (5”) / (5-1/2”) / (8”)
		3. Nominal Panel Size: All Except 8”: (16”) / (24”) width x 94” length
		 8” Thickness: (16”) / (24”) width x 48” length
		4. Mounting Method: In-Wall Between Studs
	3. Product Performance:
		1. Surface Burning Performance
			1. Fire Rating per ASTM E84: Class A.

**PART 3 EXECUTION**

1. **EXAMINATION**
2. Verification of Conditions:
3. All wet work in the installation area must be complete, cured, and dry prior to installation.
4. **INSTALLATION**
5. Comply with manufacturer’s instructions and recommendations for installation of installation and with industry standards.
6. **PROTECTION**
7. 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