SECTION 09 29 00

SoundBreak XP® Acoustically Enhanced Gypsum Board

**PART 1 GENERAL**

1. **SECTION INCLUDES**
	1. SoundBreak XP acoustically enhanced gypsum board and accessories for installation.
		1. SoundBreak XP Wall Board
		2. SoundBreak XP Ceiling Board
		3. SoundBreak XP Retrofit Board
2. REFERENCES
	1. American Society for Testing and Materials (ASTM)
		1. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
		2. 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. **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 acoustical gypsum board.
	3. Test Reports: Upon request, submit certified test reports to verify specified product performance.
4. **QUALITY ASSURANCE**
	1. Qualifications:
		1. Manufacturers: Provide acoustical gypsum board 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 gypsum board to perform as specified when tested in accordance with ASTM E84. Acoustical gypsum board surface burning performance should comply with the International Building Code and other local building code requirements.
		2. Acoustical Characteristics: Acoustical gypsum board to perform as specified when tested in accordance with ASTM E90.
5. **DELIVERY, STORAGE, AND HANDLING**
	1. Storage and Handling Requirements:
		1. Handle gypsum board carefully to avoid any damage.
		2. Store gypsum board indoors in a clean, cool, dry place, and out of direct sunlight.
		3. Store gypsum board 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 gypsum board 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 SoundBreak XP information can be found on our website <https://www.acousticalsurfaces.com/>)

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. **AOUSTICALLY ENHANCED GYPSUM BOARD**
	1. Basis of Design: SoundBreak XP® Wall Board by Acoustical Surfaces, Inc.
		1. Board Composition: Viscoelastic damping polymer layer between two pieces of high-
		 density, mold-resistant gypsum board
		2. Board Thickness: (1/2”) (5/8” Type X)
		3. Board Size: Nominal 4’ x (specify length 8’ to 10’)
		4. Edge Detail: Tapered
		5. Finish: Purple; and heavy abrasion-, mold-, and moisture-resistant paper
		6. Acoustical Performance
			1. Sound Transmission Classification (STC) per ASTM E90: (wood stud construction) (52) (67) (metal stud construction) (55) (57) (59) (61)
		7. Surface Burning Performance
			1. Fire Rating per ASTM E84: Class A.
		8. Material Performance
			1. Surface Abrasion Resistance: Classification Level 3 in accordance with ASTM C1629
			2. Indentation Resistance: Classification Level 1 in accordance with ASTM C1629
			3. Soft Body Impact Resistance: Classification Level 2 in accordance with ASTM C1629
			4. Hard Body Impact Resistance: Classification Level 1 in accordance with ASTM C1629
			5. Mold Resistance: 10 when tested in accordance with ASTM D3273. 0 when tested in accordance with ASTM G21.
			6. GREENGUARD (Certified) (Gold Certified) by UL.
	2. Basis of Design: SoundBreak XP® Ceiling Board by Acoustical Surfaces, Inc.
		1. Board Composition: Viscoelastic damping polymer layer between two pieces of high-
		 density, mold-resistant gypsum board
		2. Board Thickness: 3/4"
		3. Board Size: Nominal 4’ x (specify length 8’ to 10’)
		4. Edge Detail: Tapered
		5. Finish: Purple; and heavy abrasion-, mold-, and moisture-resistant paper
		6. Acoustical Performance
			1. Sound Transmission Classification (STC) per ASTM E90: (wood stud construction) (52) (67) (metal stud construction) (55) (57) (59) (61)
		7. Surface Burning Performance
			1. Fire Rating per ASTM E84: Class A.
		8. Material Performance
			1. Surface Abrasion Resistance: Classification Level 3 in accordance with ASTM C1629
			2. Indentation Resistance: Classification Level 1 in accordance with ASTM C1629
			3. Soft Body Impact Resistance: Classification Level 2 in accordance with ASTM C1629
			4. Hard Body Impact Resistance: Classification Level 1 in accordance with ASTM C1629
			5. Mold Resistance: 10 when tested in accordance with ASTM D3273. 0 when tested in accordance with ASTM G21.
			6. GREENGUARD (Certified) (Gold Certified) by UL.
	3. Basis of Design: SoundBreak XP® Retrofit Board by Acoustical Surfaces, Inc.
		1. Board Composition: Viscoelastic damping polymer layer applied to high-
		 density, mold-resistant gypsum board
		2. Board Thickness: 5/16”
		3. Board Size: Nominal 4’ x (specify length 8’ to 10’)
		4. Edge Detail: Tapered
		5. Finish: Purple; and heavy abrasion-, mold-, and moisture-resistant paper
		6. Surface Burning Performance
			1. Fire Rating per ASTM E84: Class A.
		7. Material Performance
			1. Surface Abrasion Resistance: Classification Level 3 in accordance with ASTM C1629
			2. Indentation Resistance: Classification Level 1 in accordance with ASTM C1629
			3. Soft Body Impact Resistance: Classification Level 2 in accordance with ASTM C1629
			4. Hard Body Impact Resistance: Classification Level 1 in accordance with ASTM C1629
			5. Mold Resistance: 10 when tested in accordance with ASTM D3273. 0 when tested in accordance with ASTM G21.
			6. GREENGUARD (Certified) (Gold Certified) by UL.

**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 gypsum board and with industry standards.
7. **CLEANING**
8. Clean surfaces of gypsum board per manufacturer’s instructions or recommendations.
9. Remove and replace damaged or discolored material and material that cannot be properly cleaned.
10. **PROTECTION**
11. 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