SPORTSBOARD CONFORM Acoustical Panels

Kinetics Noise Control, Inc.

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**SECTION 09 84 33.11**

**SOUND-ABSORBING WALL PANELS**

**PART 1 GENERAL**

* 1. SECTION INCLUDES
1. Sound-absorbing wall panels, custom-fabricated and copolymer-finished.

1.02 REFERENCES

1. ASTM International:
2. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
3. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
4. ASTM E795 Standard Practices for Mounting Test Specimens During Sound Absorption Tests.

1.03 SYSTEM DESCRIPTION

1. Performance Requirements:
2. Surface Burning Characteristics (ASTM E84)
3. Flamespread: 25 maximum.
4. Smoke Developed: 450 maximum.
5. Fire ratings for all fabric covered panels is based on testing of the panel wrapped with the standard in stock fabric, Guilford of Maine, Model FR 701.
6. This rating applies to all acoustical wall treatment unless specifically excluded in the product specification section 2.02.

1.04 SUBMITTALS

1. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
2. Product Data: Submit product data sheet, for specified products.
3. Shop Drawings: Submit shop drawings showing layout, edge profiles and panel components, including anchorage, accessories, finish colors and textures.
4. Samples: Submit selection and verification samples of finishes, colors and textures.
5. Test Reports: Certified test reports showing compliance with specified performance requirements.
6. Standard Systems: Submit certified copies of previous test reports substantiating performance of system in lieu of retesting.

1.05 DELIVERY, STORAGE, AND HANDLING

1. General: Comply with Division 1 Product Requirements Section.
2. Delivery: Deliver materials in manufacturer’s original, unopened, undamaged containers with identification labels intact.
3. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

1.06 PROJECT CONDITIONS

1. Environmental Requirements: Do not install panels until wet work, such as concrete and plastering, is complete; the building is enclosed; and the temperature and relative humidity are stabilized at 60 - 80 degrees F (16 - 27 degrees C) and 35% MINIMUM RH and 55% MAXIMUM RH, respectively. All products constructed with wood or wood fiber content must be stored for at least 72 hours in the controlled environment specified herein prior to installation to allow the materials to stabilize.

**PART 2 PRODUCTS**

2.01 SOUND-ABSORBING WALL PANELS

1. Manufacturer: Kinetics Noise Control, Inc.
2. Contact: PO Box 655, 6300 Irelan Place, Dublin, OH 43017; Telephone: (614) 889-0480; Fax: (614) 889-05405; E-mail: intsales@kineticsnoise.com; Web site: www.kineticsnoise.com.
3. Substitutions: No substitutions permitted.

2.02 MANUFACTURED UNITS

1. SportsBoard Conform copolymer Panels:
2. Thickness: [1-1/16 inches (27 mm)] [2-1/16 inches (52 mm)].
3. Size: As indicated on the drawings up to a maximum 42 inches (1067 mm) x 92 inches (2337 mm) panel.
4. Core: [1 inch (25.4 mm) thick] [2 inches (51 mm) thick], 6 - 7 pcf (96- 112 kg/m3) density fiberglass.
5. Edge Detail: Pencil.
6. Formed Copolymer Facing and Edges: 1/16 inch (1.6 mm) thick copolymer perforated with 3/32 inch (2.4 mm) holes on 5/32 inch (4 mm) staggered centers. Copolymer is a single sheet heat formed to cover all panel edges.
	1. Color: As selected from panel manufacturer’s range of standard colors.
7. Install with minimum 1/8 inch (3.2 mm) reveal at the perimeter to allow for expansion and contraction of copolymer due to temperature changes.
8. Sound Absorption (ASTM C423): Noise Reduction Coefficient as follows:

*NOTE TO SPECIFIER – NRC sound absorption data is based on testing with Guilford FR701 fabric. To maintain specified sound absorption, fabrics should be selected that allow air to pass easily through the material into the acoustical core.*

* 1. 1 1/16 inches (27 mm) panel: 0.80, minimum.
	2. 2 1/16 inches (52 mm) panel 1.00, minimum.
1. Mounting Accessories: [Z-clips] [HS impaling clips].

**PART 3 EXECUTION**

3.01 MANUFACTURER’S INSTRUCTIONS

1. Compliance: Comply with manufacturer’s product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

1. Site Verification of Conditions: Verify that substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer’s instructions.
2. Verify that stud spacing is 16 inches (406 mm) o.c., maximum, for panels installed over open studs.
3. Do not install panels until unsatisfactory conditions are corrected.

3.03 CLEANING

1. Follow manufacturer’s instructions for cleaning panels soiled during installation. Replace panels that cannot be cleaned to as new condition.
2. Keep site free from accumulation of waste and debris.

**END OF SECTION**