

**DESIGN GUIDELINES – DUVAL COUNTY PUBLIC SCHOOLS**

**GENERAL:**

**Quality Assurance**

Fire Performance Characteristics - Determined by testing according to ASTM E 84.

Flame Spread: Comply with State Requirement for Educational Facilities.

Smoke Developed: Comply with State Requirement for Educational Facilities.

**Submittals**

Submit certification that panel assemblies provided comply with requirements indicated for Fire Performance Characteristics.

Samples: Provide 12" x 12" samples of acoustical wall units, and representative samples of installation devices.

**PRODUCTS:**

Spline-Mounted Wall Panels: Manufacturer's standard panel construction consisting of synthetic fabric laminated to core with long edges kerfed to receive splines.

Back-Mounted Edge-Reinforced Wall Panels: Manufacturer's standard panel construction consisting of fabric facing laminated to edge-reinforced molded glass fiber core on front, edges and back border.

Back-Mounted Aluminum-Framed Wall Panels: Manufacturer's standard panel construction consisting of fabric facing stretched over aluminum-framed glass fiber core and bonded or attached to edges and back of frame.

General Characteristics of Panels:

- a. Fabric Facing: Synthetic or Natural (no vinyl).
- b. Thickness: Minimum 1".
- c. Edge Detail: radius.
- d. Size: Manufacturer's standard sizes. Avoid custom sizes if possible.
- e. Products subject to Accidental Student Impact.

Use Tough facing when subject to accidental student impact.

**EXECUTION:**

Do not use in General Classroom.

Acoustically treated walls and ceiling will be provided where necessary. Media Center, Multipurpose Room, Cafeteria, Speech and Exceptional Education Rooms are most important. (See special consideration's section for each area.) Portions of walls and ceilings will be sound-absorbent, as required for proper acoustical control.

**ACOUSTICAL WALL SYSTEM**

**SECTION 09521**

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Acoustical Wall Panels: Furnish quantity of full size units equal to one (1) panel of each size, color, pattern and type installed.

Furnish maintenance material matching products installed, packaged with protective covering for storage at particular school site and identified with appropriate labels.

**END OF SECTION 09521**