



THICKNESS:
1 1/4", 2 1/4",
3 1/4", 4 1/4"

NRC RANGE:
.80 to 1.10

A highly durable panel with excellent sound absorption and diffusion qualities, Acoustic Tuned Panels are constructed by laminating 1/4" perforated pressed wood fiber board and a rigid glass fiber core. They are most effective where low and mid frequency absorption is needed. The impact resistant face of the panel makes it especially appropriate for high traffic areas or anywhere damage is a concern. The panel is available with square edges and is fabric wrapped and returned on all four sides, leaving tailored corners and no exposed edges.

SCOPE

This section includes all of the ACOUSTICAL TUNED WALL PANELS as manufactured by Quiet Concepts, Oak Park, Michigan as shown on drawings or referred to in these specifications.

MATERIALS

1. High Impact Acoustic Tuned Wall Panels shall be constructed of rigid 6 to 7 lb/cu. Ft. glass fiber core with exceptional sound absorbing qualities. It shall be dimensionally stable and non-combustible. The panel shall be laminated with a 1/4" perforated pressed wood fiber face sheet. Each unit shall be (1 1/4"), (2 1/4"), (3 1/4"), or (4 1/4") in thickness, height and width as required. All edges shall be chemically hardened, to protect against damage and warping. The corners shall be (square). The edges of the panel shall be (square).
2. All panels shall be fabric wrapped on the face, all edges and a return on the back of not less than 1" with Quiet Concepts (standard fabrics and perforated vinyls) or (manufacturer approved custom fabric).
3. High Impact Acoustic Tuned Wall Panels shall be mounted using the following manufacturer's recommended mounting methods (mechanical z-clips) and (construction adhesive).
4. High Impact Acoustic Tuned Wall Panels shall have a noise reduction coefficient of (.80), (.95), (1.05), and (1.10) using ASTM C423-90A "Standard test method for sound absorption and sound absorption coefficients by the reverberation room method."
5. All components utilized in the construction of the High Impact Acoustic Tuned Wall Panels meet Class A flame rating as tested per ASTM E84-94A standard test method for surface burning characteristics of building materials.

PRODUCT HANDLING

Protect High Impact Acoustic Tuned Wall Panels from excessive moisture in shipment, and handling. Deliver in unopened bundles and store in dry place with adequate air circulation. Do not deliver material to building until "Wet Work" such as concrete and plaster have been completed and cured to a condition of equilibrium.

PROJECT CONDITIONS

1. Do not begin installation until spaces to receive High Impact Acoustic Tuned Wall Panels have been enclosed and maintained at approximately the same humidity and temperature conditions as planned for occupancy. Conditions from 60 degrees F to 85 degrees F and not more than 80% R.H. in an enclosed building.
2. The contractor shall be responsible for the examination and acceptance of all surface and conditions prior to the wall panel installation.

INSTALLATION

1. All High Impact Acoustic Tuned Wall Panels should be installed in accordance with the manufacturer's specifications and recommendations.
2. All necessary hardware and accessories for a complete job installation is to be furnished by the contractor.