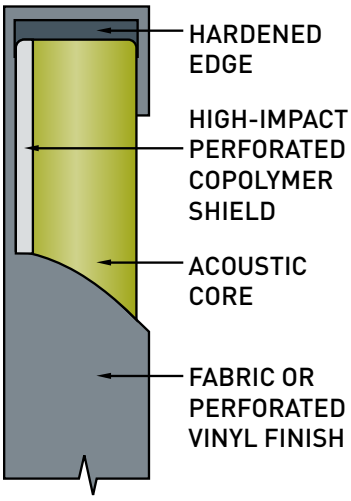
QUIET CONCEPTS

HIGH IMPACT QUIET PANELS
with Perforated Copolymer Shields



THICKNESS:
13/16”, 1 1/16”, 2 1/16”

NRC RANGE:
.80 to 1.05

A highly durable panel with excellent sound absorption qualities, High Impact Quiet Panels with Perforated Copolymer Shields are constructed from a rigid glass fiber core laminated with .060, or .080 inch perforated copolymer face sheet. 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 HIGH IMPACT QUIET PANELS WITH PERFORATED COPOLYMER SHIELDS as manufactured by Quiet Concepts, Oak Park, Michigan as shown on drawings or referred to in these specifications.

MATERIALS

1. High Impact Quiet Panels with Perforated Copolymer Shields 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 .040 or .060 perforated copolymer face sheet. Face sheet shall be a flexible copolymer perforated a minimum 25% open area. Color pigment shall be solid throughout the covering material. Provide 3/32” diameter holes on 5/32” staggered hole pattern, and 32 holdes per square inch. Each unit shall be (13/16”), (1 1/16”) and (2 1/16”) in thickness, height and width as required. All edges shall be chemically hardened, to protect against damage. 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 vinyls) or (manufacturer approved custom fabric).

3. High Impact Quiet Panels with Perforated Copolymer Shields shall be mounted using the following manufacturer’s recommended mounting methods (mechanical z-clips) and (construction adhesive).

4. High Impact Quiet Panels with Perforated Copolymer Shields shall have a noise reduction coefficient of (.80), (.90) and (1.05) 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 Quiet Panels with Perforated Copolymer Shields 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 Quiet Panels with Perforated Copolymer Shields 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 Quiet Panels with Perforated Copolymer Shields 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 Quiet Panels with Perforated Copolymer Shields 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.

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On G.S.A. Contract #GS-29F-5302A

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