

FIREGUARD® SHAFT LINER™ PANELS

TECHNICAL DATA

MANUFACTURER

*G-P Gypsum Corporation
133 Peachtree Street, N.E.
Atlanta, GA 30303*

Technical 1 (800) 225-6119

Panels are 1" thick with a Type X core. Edges are beveled to facilitate fit into metal components. Single 1" thick, 23-7/8" wide panels are provided. Fireguard Shaft Liner panels are manufactured to meet ASTM C 442. Lengths – 8 through 14': Warnock-Hersey classified for 2-hour shaft wall partition designs and Area Separation Walls.

DESCRIPTION

Fireguard Shaft Liner™ Panels have a noncombustible, dimensionally stable, gypsum core. The core has been reinforced with the addition of glass fibers, increasing its strength and its resistance to the passage of heat. The surfacings on both faces and on the long edges are 100% recycled paper. The front and back face papers are green. The short edges are square cut, smooth finished with no paper facing.

PRIMARY USES

Fireguard Shaft Liner™ Panels are one component in gypsum board shaft wall systems with a designated fire-resistive rating used in building construction.

A specially formulated gypsum core which includes glass fibers enables Fireguard Shaft Liner™ Panels as an assembly component to remain intact during a fire, helping to protect framing members while preventing or delaying the spread of fire.

LIMITATIONS

- Do not use Fireguard Shaft Liner™ Panels alone or as a single component of an assembly.
- Non-load bearing
- Not to be used as an unlined air supply duct
- Not designed for exposure to constant high moisture conditions or direct water
- Elevator door assemblies require support independent of shaft wall partitions
- Good construction practice calls for partition control joints to coincide with that of the building structure
- Limiting loads and heights not to exceed design specification or data provided by metal component supplier
- Provide flexible sealant/caulk at partition perimeters and penetrations to avoid air

leakage/whistling and dust collection.

APPLICABLE STANDARDS

ASTM C 442.

BUILDING CODE CONFORMITY

Fireguard Shaft Liner™ Panels conform to the requirements of major building codes.

SIZES AND EDGES

Thickness (nominal): 1"

Width (nominal): 24"

Length (standard): 8'-12'

Edges: Double beveled.

SUPPLEMENTAL MATERIALS

Tested metal shaft wall assembly components, surface and corner beads and trim, expansion joints, tape, joint compound, sealants.

SURFACE BURNING CHARACTERISTICS

Flame spread of 15 and smoke developed 0 when tested according to ASTM E 84. The core is noncombustible when tested in accordance with ASTM E 136.

FIRE-RESISTANCE RATINGS

Fireguard Shaft Liner Panels are a component of gypsum board shaft wall and area separation wall assemblies classified for fire-resistance by Warnock Hersey.

SOUND CONTROL

Sounded rated assemblies require sealing at top, bottom, intersections, penetrations, and other locations where sound leaks may develop.

INSTALLATION

APPLICATION STANDARDS

Application regarding board orientation, fastener type and spacing must be consistent with the tested construction details.

The gypsum board shaft wall must be erected with all the components used in the successful fire endurance tests. Use only the components which were a part of the test; do not use any substitute components.

METHODS

Appropriate methods of installation are based on the desired fire-resistance rating or specified STC value required. These ratings and values require that details of the tested assemblies be followed. In addition to these details, the installation methods outlined in Gypsum Association Publications GA-201 and GA-216 will facilitate optimum performance through preferred construction practices.

Fireguard Shaft Liner™ Panels are but one component in gypsum board shaft wall and area separation wall assemblies. Other fire rated gypsum boards as well as certain metal components

are used to make an assembly. The gypsum board shaft wall must be erected with all the components used in the successful fire endurance tests.

The installation method selected must be planned carefully to minimize the number of end joints. Fireguard Shaft Liner™ Panels can be cut to the necessary size by scoring the face paper with a sharp knife, then snapping away from the cut face. The back paper is then cut or broken by snapping the board in the opposite direction. All cut edges and ends are smoothed by rasping or other suitable methods to form tight-fitting joints when installed.

SAFETY

During installation involving cutting, scoring, and breaking, safety glasses are recommended. If the work environment is dusty, a NIOSH approved respirator should be worn. Do not use a power saw.

HANDLING PRECAUTIONS

Stack Fireguard Shaft Liner™ Panels on a flat, level surface. As individual sheets are removed for installation, they should be raised up on edge carefully and carried in a vertical position. Appropriate handling also is outlined in Gypsum Association Publications GA-216 and GA-801.

Take care to avoid impact, undue flexing, and subsequent damage to board edges, ends and corners. Avoid scuffing the face to be finished.

MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet (MSDS) is available upon request.

For more information, contact the local G-P Gypsum representative nearest you:

United States: (800) 876-4746 Midwest; (800) 327-2344 South; (800) 947-4497 Northeast; (800) 824-7503 West

Canada: (800)563-1696 Atlantic Provinces; (800) 361-0486 Quebec; (800) 387-6823 Ontario; (800) 661-6589 Prairies; (800) 663-6402 British Columbia

For technical assistance, contact the G-P Gypsum Technical Hotline:

800-225-6119