



DENSGLASS®
Shaftliner™ ULTRA

MANUFACTURER

Georgia-Pacific Corporation
55 Park Place, 19th Floor
Atlanta, GA 30303
Technical Hotline: 1(800) 225-6119 (8-6 ET)
www.gpgypsum.com

DESCRIPTION

DensGlass® Ultra Shaftliner™ is a unique shaftwall and area separation wall panel. It consists of a patented water resistant, noncombustible gypsum core surfaced with coated glass mat facings that provide superior protection from the elements and help inhibit the growth of mold.¹

The core has been reinforced with inorganic glass fibers, increasing its strength and fire resistance.

DensGlass Ultra Shaftliner exhibits greater moisture resistance than regular shaftwall liner panels with improved dimensional stability that resists warping, rippling and buckling.

Tests show that DensGlass Ultra Shaftliner exhibits 15 flame spread.

PRIMARY USES

DensGlass Ultra Shaftliner is one component in gypsum board shaftwall systems with a designated fire-resistance rating used in building construction and can be installed in the same assemblies as G-P ToughRock® shaftliner.

A specially formulated gypsum core that includes glass fibers and embedded glass mats enables Dens-Glass Ultra Shaftliner to be used as an assembly component to help prevent or delay the spread of fire.

DensGlass Ultra Shaftliner provides superb protection from the elements. It is highly resistant to delamination, deterioration and the growth of mold.¹

LIMITATIONS

- Non-load bearing
- Elevator door assemblies require support independent of shaftwall partitions
- Good construction practice calls for partition control joints to coincide with those of the building structure
- Limiting loads and heights not to exceed design specification
- Provide flexible sealant/caulk at partition perimeters and penetrations to avoid air leakage/whistling and dust collection

APPLICABLE STANDARDS

ASTM C 442
ASTM C 1396
ASTM D 3273¹

SIZES AND EDGES

Thickness nominal	Widths nominal	Lengths standard
1"	24"	8'-12'

Edges: Double Bevel

SUPPLEMENTAL MATERIALS

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

TECHNICAL DATA

SURFACE BURNING CHARACTERISTICS

Flame spread 15 when tested according to ASTM E 84 or CAN/ULC-S102. The core is noncombustible when tested in accordance with ASTM E 136.

FIRE RESISTANCE RATINGS

DensGlass Ultra Shaftliner is a component of gypsum board shaftwall assemblies classified for fire resistance by Intertek Testing Services/Warnock Hersey.

SOUND CONTROL

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

MOLD RESISTANCE

DensGlass Ultra Shaftliner does not support mold growth per ASTM D 3273.

INSTALLATION

APPLICATION STANDARDS

For fire resistance rated construction application, board orientation, fastener type and spacing shall be consistent with the tested construction details. These details are published in the Intertek Testing Services/Warnock Hersey Listings Book. Gypsum board shaftwall must be erected with all the components used in the successful fire endurance tests. Use only the components that are allowed by the ITS assembly; 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 are followed. Follow installation details in the G-P Gypsum Shaftwall/Stairwell Systems Brochure (Lit. #101350) and Area Separation Walls Brochure (Lit. #101250). In addition to these details, the installation methods outlined in Gypsum Association Publication GA-216 will facilitate optimum performance through preferred construction practices.

The installation method selected should be planned carefully to minimize the number of end joints. DensGlass Ultra Shaftliner can be cut to the necessary size by scoring the glass mat facing with a sharp knife then snapping away from the cut face. The back mat 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, an approved respirator should be worn. Do not use a power saw.

HANDLING PRECAUTIONS

Stack DensGlass Ultra Shaftliner flat on a level surface. As individual sheets are removed for installation, each 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.

MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet (MSDS) available upon request.

SUBMITTAL APPROVALS: (Stamps or Signatures)

- ¼" — 6.4mm
- ½" — 12.7mm
- ⅝" — 15.9mm, type X



PHYSICAL PROPERTIES	
PROPERTIES ¹	DENS-GLASS® ULTRA SHAFTLINER™
Resistance to Growth of Mold ²	No Fungal Growth
Thickness, nominal	1" (25.4mm), ± 1/32" (0.8mm)
Width, nominal	24"
Length ³ , standard	8' (2440mm) to 12' (4270mm) ± 1/4" (6.4mm)
Weight, lbs./M sq. ft., nominal	4000
Edges	Double Bevel
Flexural strength, minimum Parallel, lbs.f. Perpendicular, lbs.f.	80 230
R value ⁴	.65
Surface Burning Characteristics (per ASTM E 84 or CAN/ULC-S102)	Flame Spread 15
Packaging	Single pieces
<p>¹Tested in accordance with ASTM C 473.</p> <p>²Tested in accordance with ASTM D 3273-94.</p> <p>³Lengths normally stocked are 8', 10', and 12'. Special lengths up to 14' may be available with lead times and minimum runs that vary by plant.</p> <p>⁴Tested in accordance with ASTM C 518.</p> <p>Note: Specified minimum values are as in ASTM C 442. Values are based upon tests conducted in accordance with ASTM C 473.</p>	

Technical Information

U.S.A. and Canada: 1-800-225-6119
 Mon.-Fri., 8 a.m.-6 p.m. (ET)
www.gpgypsum.com

Sales Information and Order Placement

U.S.A.	CANADA
Midwest: 1-800-876-4746	Canada Toll Free: 1-800-387-6823
South: 1-800-327-2344	Quebec Toll Free: 1-800-361-0486
Northeast: 1-800-947-4497	Canada Toll Free Fax: 1-800-387-8975
West: 1-800-824-7503	

Visit our Web site at www.gpgypsum.com.