

Manufacturer

Georgia-Pacific Gypsum
133 Peachtree Street
Atlanta, GA 30303

Technical Service Hotline: 1-800-225-6119

Description

DensGlass[®] Shaftliner is a unique area separation wall panel. It consists of a water-resistant, noncombustible gypsum core (as defined and tested in accordance with ASTM E136 or CAN/ULC S114) surfaced with coated fiberglass mats that provide superior resistance to the elements and resists the growth of mold.

The core has been reinforced with fiberglass, increasing its strength and fire resistance.

DensGlass Shaftliner exhibits greater moisture resistance than regular paper-faced shaftwall liner panels. It has dimensional stability and resists delamination and deterioration.

A specially formulated gypsum core that includes fiberglass and embedded fiberglass mats enables DensGlass Shaftliner to be used as an assembly component to help prevent or delay the spread of fire. DensGlass Shaftliner provides superb protection from the elements and comes with a limited warranty against delamination and deterioration for up to 12 months of exposure to normal weather conditions.*

It is highly resistant to the growth of mold, and has scored a 10, the highest score, when tested, as manufactured, per ASTM D3273.

DensGlass Shaftliner is listed as a GREENGUARD microbial-resistant product by a leading third-party organization, UL Environment. This listing means DensGlass Shaftliner, which features fiberglass mats instead of the paper facings used on the surface of traditional shaftliners, resists mold growth. The microbial-resistant test is based on ASTM Standard D6329, a guide set by ASTM International, which develops testing guidelines and procedures for building material, products, systems and services.

* For complete warranty details, visit www.gpgypsum.com.

Primary Uses

DensGlass Shaftliner is one component in gypsum board shaftwall, stairwell, mechanical duct and area separation wall systems. The panels are key components in the H-Stud Area Separation Fire Wall System.

Area Separation Wall Limitations

Unsupported wall height between floors should not exceed 12 feet (3658 mm).

The UL design U373 and ULC design W312 Area Separation Wall assemblies were evaluated at a height up to 44' (13,411 mm) and the WHI/ITS Design WHI GP/WA 120-04 Area Separation Wall assembly was evaluated at a height up to 68' (20,726 mm). Service cutouts or through penetrations shall be installed and protected in accordance with the building code.

Do not install insulation in the system until the building has been properly closed in.

Provide for deflection of live-loaded floor assemblies by using relief joints or floating trim.

Applicable Standards

Manufactured to meet ASTM C1658 and Section 6 and 7 of ASTM C1396 (which replaced ASTM C630 and ASTM C442).

Sizes and Edges

Thickness—nominal: 1" (25.4 mm); Widths—nominal: 24" (610 mm); Lengths—standard: 8'-12' (2438 mm–3658 mm); 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 0, Smoke Developed 0 when tested according to ASTM E84 or CAN/ULC S102. DensGlass Shaftliner is noncombustible when tested in accordance with ASTM E136 or CAN/ULC S114.

Fire Resistance Ratings: DensGlass Shaftliner is a component of gypsum board shaftwall assemblies and area separation walls classified for fire resistance ratings by Intertek Testing Services/Warnock Hersey (WHI/ITS), Underwriters Laboratories Inc. (UL) and Underwriters' Laboratories of Canada (ULC).

DensGlass Shaftliner is UL and ULC Classified Type DGUSL.

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

Mold Resistance: DensGlass Shaftliner resists mold growth, and has scored a 10, the highest score, when tested, as manufactured, per ASTM D3273. DensGlass Shaftliner is listed as a GREENGUARD microbial-resistant product by UL Environment.

Handling and Use—CAUTION

This product contains fiberglass facings which may cause skin irritation. Dust and fibers produced during the handling and installation of the product may cause skin, eye and respiratory tract irritation. Avoid breathing dust and minimize contact with skin and eyes. Wear long sleeve shirts, long pants and eye protection. Always maintain adequate ventilation. Use a dust mask or NIOSH/MSHA approved respirator as appropriate in dusty or poorly ventilated areas.

Safety Data Sheet (SDS) is available at www.buildgp.com/safetyinfo or call 1-404-652-5119.

continued →

Submittal Approvals

Job Name _____

Contractor _____

Date _____

Physical Properties

Properties ¹	DensGlass [®] Shaftliner
Thickness, nominal	1" (25.4 mm), ± 1/32" (0.8 mm)
Width, nominal	24" (610 mm)
Length ² , standard	8' (2440 mm) to 12' (3658 mm) ± 1/4" (6.4 mm)
Weight, lbs./sq. ft., nominal (kg/m ²) ⁴	4.0 (20)
Edges	Double Bevel
Flexural strength, minimum	
Parallel, lbs.f. (N)	≥ 80 (356)
Perpendicular, lbs.f. (N)	≥ 230 (1023)
R Value ³ , ft ² •°F•hr/BTU (m ² •K/W)	> .65 (0.115)
Surface Burning Characteristics Flame Spread, Smoke Developed (per ASTM E84 or CAN/ULC S102)	0/0
Packaging	Single Pieces
Combustibility ⁵	Noncombustible

¹Tested in accordance with ASTM C473 where applicable.

²Lengths 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.

³Tested in accordance with ASTM C518.

⁴Represents approximate weight for design and shipping purposes.

⁵As defined and tested in accordance with ASTM E136 or CAN/ULC S114.

Note: Specified minimum values are as in ASTM C1658. Values are based upon tests conducted in accordance with ASTM C473.



U.S.A. Georgia-Pacific Gypsum LLC

SALES INFORMATION AND ORDER PLACEMENT

U.S.A. West: **1-800-824-7503**
 Midwest: **1-800-876-4746**
 South Central: **1-800-231-6060**
 Southeast: **1-800-327-2344**
 Northeast: **1-800-947-4497**

CANADA Canada Toll Free: **1-800-387-6823**
 Quebec Toll Free: **1-800-361-0486**

TECHNICAL INFORMATION

U.S.A. and Canada: **1-800-225-6119**, www.gpgypsum.com

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WARRANTIES, REMEDIES AND TERMS OF SALE For current warranty information for this product, please go to www.gpgypsum.com and select the product for warranty information. All sales of this product by Georgia-Pacific are subject to our Terms of Sale available at www.gpgypsum.com.

UPDATES AND CURRENT INFORMATION The information in this document may change without notice. Visit our website at www.gpgypsum.com for updates and current information.

CAUTION For product fire, safety and use information, go to www.buildgpc.com/safetyinfo or call 1-800-225-6119.

FIRE SAFETY CAUTION Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.