



Georgia-Pacific

# DensGlass Gold®

## Exterior Sheathing

Technical Service Hotline 1.800.225.6119 or

[www.gpgypsum.com](http://www.gpgypsum.com)

**Manufacturer** Georgia-Pacific Gypsum LLC  
133 Peachtree Street, 8th floor, Atlanta, GA 30303  
Technical Service Hotline 1-800-225-6119 or [www.gpgypsum.com](http://www.gpgypsum.com)

**Description** DensGlass Gold® is a unique, “paperless” sheathing panel made of a treated, water resistant core, surfaced with glass mat facings and a “gold” colored primer coating. Providing superb protection from the elements, DensGlass Gold panels are resistant to decay, delamination and deterioration due to weather exposure – even during construction delays that last as long as six months after installation. DensGlass Gold panels are also mold-resistant.\*

DensGlass Gold exterior sheathing exhibits a dimensional stability that assures resistance to warping, rippling, buckling and sagging for a flat and even substrate. DensGlass Gold sheathing is noncombustible. Since DensGlass Gold panels are strong in both directions, they may be installed either parallel or perpendicular to wall framing members (always follow specific assembly installation instructions).

*\*when tested, as manufactured, per ASTM D 3273*

**Primary Uses** Because of the superior performance of DensGlass Gold sheathing, it is specified for exterior walls, ceilings and soffits in a wide variety of applications. These include exterior insulation and finish systems (EIFS); cavity brick or stone veneer applications; cladding such as wood siding, vinyl siding, composition siding, wood shingles, shakes, conventional stucco systems, plywood siding panels; and interior finish systems that require a substrate panel with superior fire and moisture resistance.

For EIFS applications, DensGlass Gold gypsum sheathing is an ideal substrate for adhesive or mechanical application of expanded polystyrene (EPS) or extruded polystyrene insulation, and is recommended in all climate zones.

It is not required to provide a weather resistive barrier over DensGlass Gold for the protection of the gypsum sheathing itself during the 6 month exposure limited warranty.\* Consult with the local building code, design professional, owner or cladding manufacturer for weather resistive barrier requirements. Manufacturers of weather resistive barriers, which include flexible membranes, peel and stick and liquid applied, have found DensGlass Gold to be a suitable substrate for their systems.

DensGlass Gold sheathing is an ideal product for exterior ceilings and soffits for both cold and warm climate zones. It resists sagging, even under exceptionally humid conditions. Panels are applied directly to structural framing. Surface and joints may be finished and painted, or surfaced with an exterior finish system.

*\*see written warranty for terms, conditions and limitations*

**Limitations** DensGlass Gold exterior sheathing is exceptionally resistant to weather, but it is not intended for immersion in water. Cascading roof/floor water should be directed away from the sheathing until appropriate drainage is installed.

The use of forced air heaters creates volumes of water vapor which, when not properly vented, can condense on building materials. The use of these heaters and any resulting damage is not the responsibility of Georgia-Pacific Gypsum. Consult heater manufacturer for proper use and ventilation. Avoid any condition that will create moisture in the air and condensation on the exterior walls during periods when the exterior temperature is lower than the interior.

When DensGlass Gold sheathing panels are used in slanted wall applications, that portion of the wall must be temporarily protected from the elements by the use of a weather resistant barrier prior to application of the cladding.

Do not allow water to pond or settle on sheathing. Also, exposed wall ends such as those that may be found in parapets must be covered to prevent water from infiltrating the cavity.

Georgia-Pacific Gypsum does not warrant and is not responsible or liable for the performance of the cladding or exterior systems applied over DensGlass Gold sheathing. The suitability and compatibility of any system is the responsibility of the system manufacturer or design authority.

Do not laminate DensGlass Gold sheathing to masonry surfaces; use furring strips or framing.

DensGlass Gold sheathing is not intended for roof applications. For roof applications consult our DensDeck® Roof Board brochure.

DensGlass Gold sheathing is not intended for tile applications. For tile applications, consult our DensShield® Tile Backer brochure.

**Limitations continued** →

### Submittal Approvals

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Date \_\_\_\_\_

## Stamps / Signatures



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DensGlass Gold sheathing should not be used in lieu of plywood where plywood is required.

Do not apply DensGlass Gold exterior sheathing below grade. Always follow building code grade clearance requirements.

All design details such as fasteners, sealants and control joints, per system specifications, must be properly installed. Openings and penetrations must be properly flashed and sealed according to code and weather resistive barrier manufacturer's instructions. Failure to do so will void the warranty.

Do not use DensGlass Gold sheathing as a base for nailing or mechanical fastening. Fasteners should be flush to the face of the board, not countersunk.

**Technical Data** DensGlass Gold® panels are noncombustible when tested in accordance with ASTM E 136.

DensGlass Gold sheathing exceeds ASTM C79 and C1396 sheathing standards for humidified deflection by a factor of 10 in tests over the standard for regular gypsum sheathing.

5/8" DensGlass Gold Fireguard® type X sheathing qualifies for fire-resistant constructions when tested in accordance with ASTM E 119 and can be used in the following UL assemblies: Design Nos. N501, N502, N505, U301, U302, U305, U309, U337, U342, U354, U355, U379, U411, U425, U465, U467, U473, U617, V417, V419, X508, X516.

DensGlass Gold sheathing conforms to ASTM C 1177.

**Product Data** Thicknesses: 1/2" – 12.7mm; 5/8" – 15.9mm Fireguard®  
Width: 4' – 1220mm standard, tolerance up to ± 1/8";  
Lengths: 8', 9' or 10' standard, tolerance ± 1/4" Other lengths available upon request  
Edges: Square  
Conforms to ASTM C 1177, Glass Mat Gypsum Substrate for Use as Sheathing

### Physical Properties

| Properties   | 1/2" DensGlass Gold® Sheathing | 5/8" DensGlass Gold® Fireguard®, Type X |
|--|--------------------------------|---|
| Thickness, nominal inches                                      | 1/2"                           | 5/8"                                    |
| Width, nominal   | 4' ± 1/8"                      | 4' ± 1/8"                               |
| Length, standard   | 8', 9', 10' ± 1/4"             | 8', 9', 10' ± 1/4"                      |
| Weight, lbs./M sq. ft., nominal                                | 1900                           | 2500                                    |
| Surfacing  | Glass fiber mat                | Glass fiber mat                         |
| Racking strength, lbs./ft. (dry) (Ultimate – not design value) | ≥540                           | ≥650                                    |
| Flexural strength, parallel, lbs. (4' direction)               | 80 <sup>3</sup>                | 100 <sup>3</sup>                        |
| Humidified deflection, inches                                  | 1/8" <sup>3</sup>              | 2/8" <sup>3</sup>                       |
| Permeance (perms) <sup>1</sup>                                 | 23                             | 12                                      |
| R value <sup>2</sup>   | .56                            | .67                                     |
| Linear variation with change in moisture in/in/%RH             | 6.25 x 10 <sup>-6</sup>        | 6.25 x 10 <sup>-6</sup>                 |

Values are based on tests conducted in accordance with ASTM C 473 and ASTM E 72.

<sup>1</sup> Tested in accordance with ASTM C 355 (dry cup method).

<sup>2</sup> Tested in accordance with ASTM C 518 (heat flow meter).

<sup>3</sup> Minimum requirements for ASTM C 1177 standard specification.



Georgia-Pacific  
Gypsum

### SALES INFORMATION AND ORDER PLACEMENT

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

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

Georgia-Pacific Gypsum Technical Hotline  
U.S.A. and Canada: 1-800-225-6119  
Mon.-Fri., 8 a.m.- 5 p.m. ET

### TRADEMARKS

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### UPDATES AND CURRENT INFORMATION

The information in this document may change without notice. Visit our Web site for updates and current information.

### LIMITATION OF REMEDIES AND DAMAGES

Unless otherwise stated in our written limited warranty for this product, our sole liability for any product claim shall be limited to reimbursement of the cost of repair or replacement of the affected product, up to a maximum amount of two times the original purchase price for the affected product. We shall not be responsible under any circumstances for lost profits, damage to a structure or its contents, or indirect, incidental, special or consequential damages. Claims shall be deemed waived if they are not submitted to us in writing within ten days after discovery.

### SAFETY

CAUTION: This product contains fiberglass. Fibers and dust may be released from this product during normal handling and may result in skin, eye and respiratory irritation. Avoid breathing dust and contact with the skin and eyes. Follow these standard work practices: Wear a loose-fitting, long-sleeved shirt and long pants, protective gloves and eye protection (goggles or safety glasses with side shields). Wear a dust mask when sanding. Additional protection may be needed when very dusty. Do not use a power saw. For Material Safety Data Sheet or additional information, call 1-800-225-6119 or visit our Web site.