DensGlass® Sheathing and Grace Construction Products
Air Barrier Systems

Product Descriptions

DensGlass® Sheathing is an engineered exterior gypsum sheathing. It has a specially treated gypsum core and embedded fiberglass mats on both sides for superior moisture, fire and mold resistance. This product can remain exposed for up to twelve months and is an ideal substrate for a wide variety of exterior claddings.

DensArmor Plus® High-Performance Interior Panels are specially engineered interior gypsum panels. With its treated core and embedded fiberglass mats front and back, this enhanced product provides superior fire, moisture, and mold resistance. This product should be finished with a mold-resistant finish system. DensArmor Plus panels are GreenGuard Indoor Air Quality Certified® and have been listed as microbial resistant by the GreenGuard Environmental Institute.

Styrofoam™ Cavitymate™ SC is an extruded polystyrene foam insulation board with shiplap edges along the long edges of the board. Controls condensation, corrects steel stud thermal short circuiting and improves the performance of insulating batting.

Perm-A-Barrier® Liquid is a two-component, synthetic rubber, cold-vulcanized fluid applied air and vapor barrier membrane. It cures to form a resilient, monolithic, fully bonded elastomeric sheet. When installing Perm-A-Barrier Liquid over DensGlass Sheathing, no surface treatment is required.

Perm-A-Barrier® Wall Membrane is a tough, self-adhering, self-sealing waterproofing membrane for air and vapor barrier applications. Consisting of 36 mils of rubberized asphalt integrally bonded to a 4 mil high-density cross laminated polyethylene film, Perm-A-Barrier Wall Membrane is an impermeable air, vapor and water barrier. When installing Perm-A-Barrier Wall Membrane over DensGlass Sheathing, the surface of the sheathing must first be primed with Perm-A-Barrier WB Primer. Perm-A-Barrier WB Primer is a water-based primer, which imparts an aggressive, high-tack finish on the glass mat substrate of the sheathing.

Perm-A-Barrier® Wall Flashing is a tough, self-adhering, self-sealing waterproof through-wall flashing for cavity wall applications. Consisting of 32 mils of rubberized asphalt integrally bonded to an 8 mil high-density cross-laminated polyethylene film, Perm-A-Barrier Wall Flashing is designed to be strong and thick enough to resist punctures and tears in through-wall applications.

When installing Perm-A-Barrier Wall Flashing over DensGlass Sheathing, the surface of the sheathing must first be primed with Perm-A-Barrier WB Primer. Perm-A-Barrier WB Primer is a water-based primer, which imparts an aggressive, high-tack finish on the glass mat substrate of the sheathing.

### Commercial Cavity Wall Assembly
Cold Climate Exterior Elevations other than EIFS

### Interior Gypsum Panel Manufacturer
Georgia-Pacific Gypsum LLC

### Interior Gypsum Panel Names
- DensArmor Plus® High-Performance Interior Panels
- Metal Studs
  - 4” (102 mm) or 6” (152 mm)
  - deep galvanized steel

### Exterior Gypsum Sheathing Manufacturer
Georgia-Pacific Gypsum LLC

### Exterior Gypsum Sheathing Names
- DensGlass® Sheathing

### Air Barrier Membrane Manufacturer
Grace Construction Products

### Air Barrier Membrane
- Perm-A-Barrier®
- Wall Membrane
- Perm-A-Barrier® Liquid

### Wall Insulation Manufacturer
Dow Chemical Company

### Wall Insulation Name
Styrofoam™ Cavitymate™ SC

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<th>5/8” (15.9 mm)</th>
<th>1” (25.4 mm)</th>
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<th>2” (44.5 mm)</th>
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¹ Per ASTM C 1658
² Surface burning characteristics per ASTM E 84
³ Based on DOW’s published literature.

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**Technical Notes**
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The following are for illustration purposes only. Follow membrane manufacturer’s installation guidelines and specifications for proper design and use. Georgia-Pacific Gypsum does not provide engineering services. Proper design and performance criteria provided by other parties.