



Product Data Sheet for Glass Fiber Reinforced Gypsum (GFRG)
(For Interior Applications)

Manufacturer

GC Products, Inc.
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Samples and Submittals

Submittals are to include, but not limited to, product data, safety data sheet (SDS) and shop drawings. Drawings will be included for verification of dimensions, profiles and surrounding construction. Recommended installation methods will also be included.

Materials

GC Products GFRG units shall be prefabricated with high-density gypsum, reinforced with continuous random filament glass fiber mat and structural reinforcing as required.

1. Glass Content: not less than 5 percent by weight
2. Density: 103 to 112 pcf
3. Shell (Part) Thickness: not less than 3/16" (ASTM C1381)
4. Flammability (ASTM-E84): Flame Spread of 0
 Smoke Development Index of 5
5. Flexural Ultimate Strength: not less than 2500 psi (ASTM C947)
6. Compressive Strength: not less than 6000 psi (ASTM C472)
7. Hardness: not less than 50 Barcol (ASTM D2583)
8. Impact Resistance: not less than 3.0 ft.-lb. (ASTM D256 Method A)
9. Behavior at 750°C: Pass (ASTM-E136)

Tolerances (Manufacturer)

Dimensional: all directions +/- 1/8"
Control Thickness: not less than 5/16"
Warpage or bowing: +/- 1/16" per ft.
Draft Angle: 3 degrees, minimum, on returns, setbacks, reveals, and grooves.



Fabrication

- 1. Mix:** GFRG is batched and blended in accordance with ASTM C1355 using the specified mix design.
- 2. Application:** GFRG mixture is hand applied into approved molds that correspond with the approved shop drawings. GFRG is then removed from the molds and placed into jigs until cured. Product is then labeled corresponding to the approved shop drawings.
- 3. Finish:** GFRG surface is a level four equivalent finish ready to receive primer and paint.

Delivery, Storage & Handling

- 1. Delivery:** GFRG units are to be crated, palletized or loaded onto the delivery truck at the plant. Product is delivered to the jobsite per project requirements.
- 2. Storage:** Store GFRG on a level surface protected from weather, moisture and damage. Product must be appropriately stored until installation.
- 3. Handling:** GFRG must be handled to prevent damage to finished surfaces.