

Product Data (GRG)

MOONLIGHT MOLDS inc.
13720 S. Western Ave., Unit A
Gardena, California 90249

Subject: Product Data (GRG)

Manufacturer

Moonlight Molds Inc.
13720 S. Western Ave., Unit A
Gardena CA 90249
(310) 538-9142
(310) 538-9717 FAX

Contact: Sales

Design

Shop Drawings:

Shop drawings are submitted for verification of profiles, dimensions and surrounding construction of GRG units. Recommended attachment details are indicated on the shop drawings.

Material Description

GRG units are fabricated with high density gypsum, reinforced with continuous filament random glass fiber mat in accordance with ASTM C1381.

Mix Design:

CSG Gypsum Cement (FGR 95)-----	77%
Water (by weight) -----	23%
Fiberglass Surmat - 10 Mil,15 Mil & 20 Mil (by weight) -----	5 to 7%

Testing

Product Data (GRG)

Our products are tested on the following criteria and test results will be supplied upon request.

Physical Properties	Specification	Results
Shell Thickness		1/8"-3/16
Weight (depending on reinforcing)		1 ½ - 3 lbs/sq ft
Density		110 lbs/cu ft
Flexural Strength Modulus of Rupture	ASTM C947-81	3,310 psi (avg)
Compressive Strength	ASTM C109-87	7,260 (avg)
Indentation Hardness	ASTM D2583-87/BARCOL	74
Coefficient of Linear Thermal Expansion	ASTM D696-79	1.83 x 10 ⁻⁵ (avg)
Humidified Deflection	ASTM C473-87a	1/8"
Fuel Contribution	ASTM E84-80	0
Flame Spread	ASTM E84-80	0
Smoke Index	ASTM E84-80	0
IZOD Impact Strength	ASTM D256-88	3.76 ft.-lb.
Embedment Pull-off Test		571.0 lbs (avg)
Screw Pullout / wood embedment		330.5 lbs (avg)
Screw Pullout / metal embedment		482.0 lbs (avg)

Testing Laboratory: United States Testing Company, Inc.
5555 Telegraph Road
Los Angeles CA 90040
(213) 723-7181

Fabrication

Product Data (GRG)

Mix:

GRG is batched and blended in accordance with ASTM 1355 using the specified mix design.

Application:

GRG mixture is placed into molds designed to match the shape and dimensions shown on the approved shop drawings. The nominal shell thickness is 1/8" to 3/16".

GRG units are carefully removed from the molds and stored until adequately cured. GRG units are marked for identification.

Finish:

GRG surface is smooth, ready to receive primer and paint.

Tolerances:

Dimensional – all directions	±1/8"
Thickness – skin	±1/16" – 0"
Thickness – total unit	±1/8"
Warpage or Bowing	1/16" per ft

Product Delivery, Storage and Handling

Delivery:

GRG units are crated or palletized at the plant. Crated units are delivered to the jobsite via truck.

Storage:

Store crated GRG products on a level surface protected from weather and damage. Do not unpack crates until immediately prior to installation.

Handling:

Handle materials to prevent damage to finished surfaces.