GLASS FIBER REINFORCED GYPSUM COLUMN COVER

**PHYSICAL CHARACTERISTICS**

- **Shell Thickness:** 1/4" Nominal Standard (±1/8", Unit, 6mm ± 3mm) [1/2" minimum at edges]
- **Glass Fiber:** 6% min. (by Weight) (Volumetric measurements not valid)
- **Weight:** 1.5-2.0 (lbs/ft²) [7-10 (kg/m²)] (varies with embedment/reinforcement)
- **Strength:**
  - **Flexural:**
    - Modulus of Rupture (MOR) 3200 – 3500 (PSI) [22 - 24 (Mpa)]
    - Flexural Modulus of Elasticity 1.3 – 1.9 x 10⁶ (PSI) [1.3 – 9 x 10⁶ (kPa)]
  - **Tensile:**
    - Ultimate Tensile (UTS) 1800 – 2000 (PSI) [12 - 14 Mpa]
    - Modulus of Elasticity 2.7 – 3.8 x 10⁶ (PSI) [1.9 – 2.6 x 10⁷ (kPa)]
    - Compressive Strength 7200 – 8300 (PSI)
  - **Heat:**
    - Thermal Conductivity 4.0 – 4.2 (BTU/in/hr/ft²/°F) [22.7 – 23.8 (W/m²/°C)]
    - Thermal Expansion Coefficient 8 x 10⁻⁶ (in/in/°F) [14 x 10⁻⁶ (mm/mm/°C)]
  - **Fire:**
    - ASTM E84-80 (Incombustible Building Material) Flame, Fuel = 0, Smoke = 0
  - **Toxicity:**
    - (Dry) 105 – 114 (PCF) [1680 – 1826 (kg/m³)]
  - **Density:**
    - Hardness: 95 RH (min.) (Rockwell Scale)
  - **Tolerances:**
    - Fabrication: Dimensional – all directions ±1/8"
    - Warpage or Bowing ±1/16"/foot
    - Square / Skew /Diagonal ±1/8"/in 10'
    - Out of Round ±1/16"/foot of diameter
    - Installed: Humidified Deflection: 1/8" max (Industry standard)

**AVAILABLE SIZES**

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>HEIGHT</th>
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<tbody>
<tr>
<td>12&quot;</td>
<td>12' - 0&quot;</td>
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<tr>
<td>14&quot;</td>
<td>12' - 0&quot;</td>
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<td>16&quot;</td>
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<td>28&quot;</td>
<td>17' - 0&quot;</td>
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<td>46&quot;</td>
<td>10' - 0&quot;</td>
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<tr>
<td>48&quot;</td>
<td>8' - 0&quot;</td>
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**SECTION THROUGH**

**PROJECT DATA**

- **PROJECT NAME:**
- **ARCHITECT:**
- **DEALER:**
- **CONTRACTOR:**
- **LOCATION:**
- **DATE:**
- **TAGGING INSTRUCTIONS:**
- **OPTIONS (REVEAL, ETC...):**

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