**Barrier Mesh™ for Security (BM10)**

High-strength expanded metal mesh for walls and ceilings

Barrier Mesh™ is a tough, rigid, heavy-gauge steel mesh installed typically onto stud framing (both metal and wood), with gypsum sheathing applied to its surface to conceal the barrier mesh, thereby providing a significant barrier to security breach across that wall system. ClarkDietrich Building Systems’ Barrier Mesh™ (BM) can also be used without sheathing to provide an enhanced protection of security to walls, ceilings as well as floors. Barrier Mesh™ is produced in different size diamonds and gauges for minimum, medium or maximum security protection.

In addition to providing high-strength and fire-resistant protection, Barrier Mesh™ also offers a cost effective and time-saving alternative to reinforced concrete or concrete masonry systems. The Barrier Mesh™ System is designed to attach to metal or wood stud framing, with specially designed Barrier Mesh™ clips, purchased with the Barrier Mesh and shipped together, as a system. ClarkDietrich mesh sheets are 4’x 8’ and sizes in chart below; special order mesh sizes available upon requests with additional lead-time.

Projects Uses:
Correctional facilities, government offices, retail stores, computer rooms, airport security, law enforcement facilities, military facilities or any space that requires substantial barrier protection.

**Product Data & Ordering Information:**

- **Material:** Type II, Class 1 - Carbon Steel - Mesh, Complying to ASTM F1267 &A1011
  (Type II, Class 2 - Galvanized available by special order)
- **Expanded Metals Manufacturers Association - EMMA 557-15**
- **Sheet Size:** 48” x 96” (Tolerance -0, +1/4” / foot of dimension, length & width)

<table>
<thead>
<tr>
<th>Product code</th>
<th>Nom. Gauge</th>
<th>Overall Thickness</th>
<th>Diamond Center-to-Center</th>
<th>Weight lbs/100 sq ft</th>
<th>% of Open Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM10</td>
<td>16</td>
<td>.048”</td>
<td>1”</td>
<td>1.00” x 2.52”</td>
<td>38</td>
</tr>
</tbody>
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**ASTM & Code Standards:**

- ASTM F1267 - Standard Specification for Metal, Expanded, Steel
- Type II, Class 1 - Carbon Steel
- Type II, Class 2 - Galvanized
- ASTM A1011/A1011M - Standard Specification for Steel Sheet Hot-Rolled, High-Strength Low-Alloy Carbon
- Permitted for use in UL - Wall Assemblies, see UL R19331 for full listing
- SDS & Product Certification Information is available at [www.clarkdietrich.com/SupportDocs](http://www.clarkdietrich.com/SupportDocs)

**Storage:**

All stored materials shall be kept dry. Materials shall be stacked off the ground, supported on a level platform, and protected from the weather and surface contamination.

**Sustainability Credits:**

For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://www.clarkdietrich.com/LEED)

**LEED v4 MR Credit** – Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

**LEED 2009 Credit MR 2 & MR 4** – ClarkDietrich’s steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at [info@clarkdietrich.com](mailto:info@clarkdietrich.com) / 888-437-3244