

## Barrier Mesh™ for Security (BM50)

### 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 Metal Manufacturers Association - EMMA 557-15

Sheet Size: 48" x 96" (Tolerance -0, +1/4" / foot of dimension, length & width)

Product Code	Nom. Gauge	Overall Thickness	Diamond	Bond Size Center-to-Center	Weight lbs/100 sq ft	% Of Open Area
BM50	*18	.038"	1/2"	.500" x 1.26"	61	61
BM50	16	.048"	1/2"	.500" x 1.26"	77	61
BM50	13	.072"	1/2"	.500" x 1.26"	126	57

\*18ga not available in Class 3 - Stainless Steel

#### ASTM & Code Standards:

- ASTM F1267 - Standard Specification for Metal, Expanded, Steel (Type II, Class 1 - Carbon Steel, Type II, Class 2 - Galvanized, Type II, \*Class 3 - Stainless Steel)
- 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.

#### Installation Method:

BM-Clips are not recommended for use with Barrier Mesh size BM50 (1/2-inch diamond). Use flat-head or truss-head screws with the BM50 size panels, which will secure the mesh to the studs at an even, or level plane.

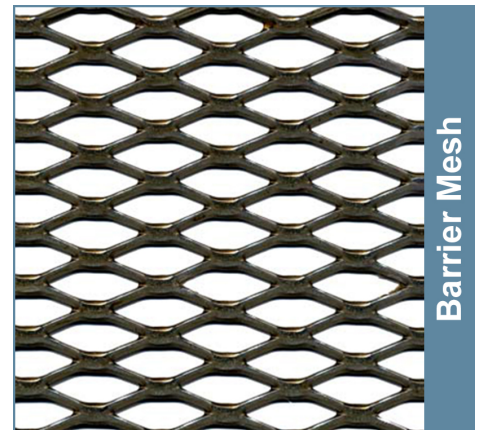
#### Sustainability Credits:

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)

#### 09.22.36 (Metal Lath)



Barrier Mesh

- Protects against break-ins and break-outs on metal stud framing
- Ideal for use in lieu of reinforced concrete or concrete block
- High-strength and fire-resistant
- Made from carbon steel
- Permitted for use in UL - Wall Assemblies

#### Project Information

Name:  
Address:

#### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

#### Architect Information

Name:  
Contact:  
Phone:  
Fax: