

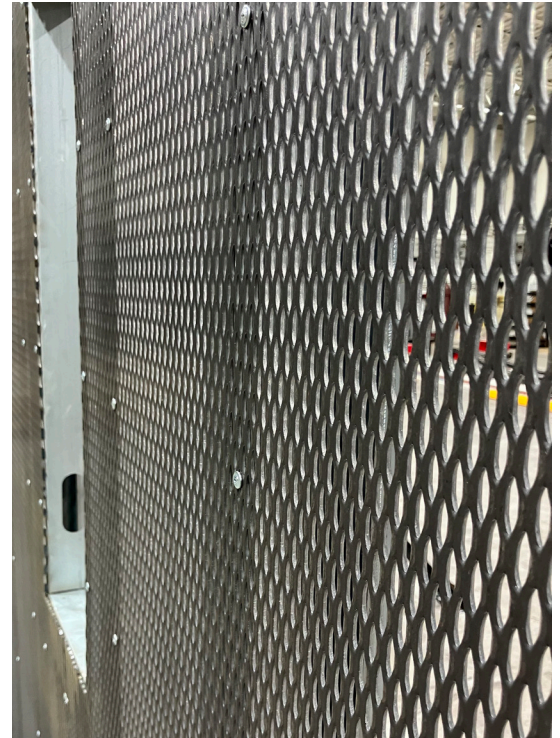
High-strength expanded metal mesh for walls and ceilings.

The Barrier Mesh™ System is a heavy-gauge steel mesh installed typically onto stud framing (both metal and wood), with gypsum sheathing applied to its surface to conceal the mesh. ClarkDietrich 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 various levels of security.

Barrier Mesh is produced to ASTM F1267. Standard sheet sizes are 4-foot x 8-foot. 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.

LEED® Information and Safety Data Sheet (SDS) on Barrier Mesh available upon request. For more information, visit clarkdietrich.com.

- Protects against break-ins and break-outs on metal stud & wood framing
- Ideal for use in lieu of reinforced concrete or concrete block
- High-strength and fire-resistant; approved in 28 UL Assemblies
- Made from carbon steel ASTM A1011
- Options for galvanized and Stainless Steel & Powder Coated

**MATERIAL STANDARDS AND INSTALLATION**

All components shall meet or exceed current standards and specifications as designated by the American Society for Testing and Materials. Shall be certified by ClarkDietrich as Barrier Mesh per ASTM F1267, Type 2, and Class 1 carbon steel finish. Installing the Barrier Mesh System will not jeopardize a fire rated wall assembly. See UL Fire Resistance Directory for Wall Assemblies with Barrier Mesh Listed up to 2-hours.

LAYOUT OF MESH

Installation and lay-out of the BM panels on the job shall be approved by the owner or general contractor prior to installation, with the intent to attach mesh panels on vertical framing members. ClarkDietrich recommends the framing members be no less than 20ga metal studs for security applications. Barrier Mesh panels may be installed with diamonds running in either direction. Barrier Mesh is produced to industry standards (EMMA) of (up to) $-0 + \frac{1}{4}$ " per foot tolerance in either direction of the mesh. Therefore, the mesh may not be perfectly square. The barrier mesh's joints shall join by either staggering or butt joint diamonds. If the previous joining methods can't be employed, ClarkDietrich allows overlapping the mesh panel's joints, with proper fastening or wire-tying between framing at recommended spacing. See ClarkDietrich website under CAD Drawings for details.

ATTACHMENT OF BARRIER MESH

Barrier Mesh shall be attached to framing members using ClarkDietrich BM-Clips™ through recommended threaded fasteners. Steel stud fasteners shall be flat head, bugle type, self-tapping screw long enough to penetrate the steel stud at least $\frac{3}{8}$ ". For wood stud applications, use a 1-5/8" fine thread drywall screw allowing the fastener to penetrate the framing member at least $\frac{1}{2}$ ". ClarkDietrich recommends ClarkDietrich BM-Clips™ be installed 10-12" on-center vertically on framing members. The ClarkDietrich BM-Clips™ are the preferred method of securing mesh panels to framing members. If planning to weld the mesh to framing, the steel framing must be 33mil thickness or greater.

Cut the Barrier Mesh with a hand held circular saw with abrasive or carbide tip blade; hand-held grinder with cutting wheel, cutting torch or heavy duty snips. The Barrier Mesh can be sheared square for an additional charge.



PRODUCT DATA & ORDERING INFORMATION

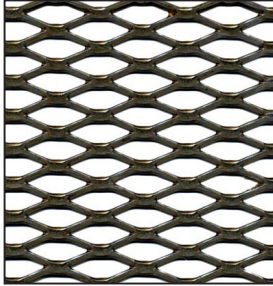
Projects Uses:

Correctional facilities, government offices, retail stores, computer rooms, airport security, law enforcement facilities, military facilities, data centers, cannabis-related or any space that requires substantial barrier protection.

Material: Carbon Steel Mesh, Complying to ASTM F1267 & ASTM A1011

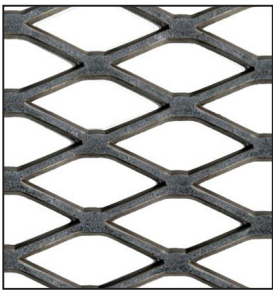
Expanded Metal Manufacturers Association - EMMA 557

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



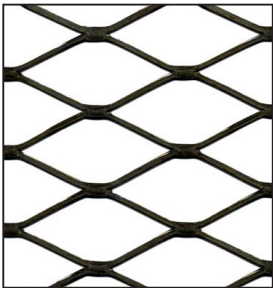
Product Code	Thickness			Bond Size Center-to-Center	Weight lbs/100ft ²	Percent of Open Area
	Nom. Gauge	Overall Thickness (in)	Diamond			
BM50	18	0.038	1/2"	.500" x 1.26"	61	61
	16	0.048			77	61
	13	0.072			126	57

Details above can be specified differently, achieving same end result. Check with manufacturer or submittal. BM50 is installed without the use of BM-Clips to fasten through the diamond opening. See Installation guidelines on the website.



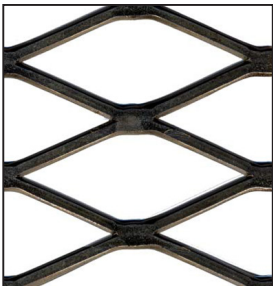
Product Code	Thickness			Bond Size Center-to-Center	Weight lbs/100ft ²	Percent of Open Area
	Nom. Gauge	Overall Thickness (in)	Diamond			
BM75	16	0.048	3/4"	.923" x 2.10"	47	76
	13	0.072			67	77
	9	0.108			157	64

Details above can be specified differently, achieving same end result. Check with manufacturer or submittal.



Product Code	Thickness			Bond Size Center-to-Center	Weight lbs/100ft ²	Percent of Open Area
	Nom. Gauge	Overall Thickness (in)	Diamond			
BM10	16	0.048	1"	1.00" x 2.52"	38	80

Details above can be specified differently, achieving same end result. Check with manufacturer or submittal.



Product Code	Thickness			Bond Size Center-to-Center	Weight lbs/100ft ²	Percent of Open Area
	Nom. Gauge	Overall Thickness (in)	Diamond			
BM15	16	0.048	1-1/2"	1.33" x 3.15"	35	82
	13	0.072			51	83
	9	0.108			105	76

Details above can be specified differently, achieving same end result. Check with manufacturer or submittal.



(BM-Clip) ClarkDietrich Barrier Mesh™ Clips

ClarkDietrich Barrier Mesh™ Clips (BM-Clips) are high-strength steel components which provide secure attachment of Barrier Mesh™ metal panels to wood or steel stud framing for a complete Barrier Mesh™ System. The ClarkDietrich BM-Clips™ act as "washers" for the attachment of the Barrier Mesh to framing members.

Coating:	G40
Design Thickness:	0.019 inches
Minimum Base Thickness:	0.018 inches
Dimensions:	2-3/4" long, 1-1/2" wide
Packaging:	300 Clips/carton, 4 lbs/carton