



# SECURITY MESH™



THE PENETRATION BARRIER BEHIND DRYWALLS

# AMICO SECURITY MESH™

**Security Mesh™** was developed and introduced by AMICO in the late 1980s as a penetration barrier for use behind drywall finishes. In 2002, AMICO patented the Secura Clip™, making a system that designers and security professionals can count on to provide the highest levels of physical security.

AMICO Security Mesh has been installed for decades in government, commercial and retail buildings all over the world.

AMICO's patented Secura Clip complete the system. Secura Clip have a re-cessed center hole allowing the Tek screw to seat at the surface of the mesh and not create humps and bumps alerting intruders to the penetration barrier. Secura Clip provide over 68% more holding strength than standard screws alone. AMICO does not sell Secura Clip separately without the Mesh.

Gypsum finish is installed directly over Security Mesh. No need for other materials for added intrusion protection. AMICO has supplied numerous projects requiring mesh to be attached to both sides of the framing members.

**Security Mesh™** is installed directly to framing members using Secura Clip and then covered with the specified gypsum finish. Secura Clip make any installation more secure by improving the holding power over standard drywall screws. Panels are flattened and lie flat between framing and finish. Most door jambs allow for the thickness of the mesh, and it does not interfere with the installation of metal frame doors. Mesh panels shall be installed and securely attached to all framing members prior to the application of the finish.

A jack stud is required at each corner or termination of a wall allowing for the mesh to be securely fastened in place. Panels can be butted or staggered; e.g. the closed diamond pattern allows for the diamonds to nest.



AMICO Secura Clip™

## SUSTAINABILITY

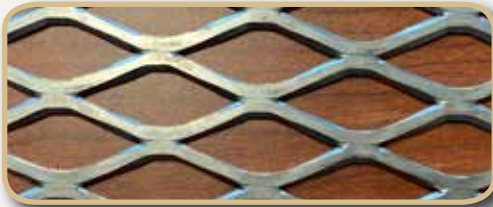
AMICO always wants to pay more, and continuous attention to the quality of our processes and thus the products, working conditions at our facilities and the associated environmental impacts. The same goes for sustainability. AMICO is committed to meeting the needs of today without compromising the needs of future generations.







**ASM .75-9F HM** Super Max Security



**ASM .75-9F** Maximum Security



**ASM .50-13F** Maximum Security



**ASM 1.5-9F** Medium Security



**ASM .75-13F** Medium Security



**ASM 1.0-16F** Minimum Security

ASM 1.5-13F, ASM .50-16F, ASM .75-16F, and ASM 1.5-16F not shown

## Mesh Selection

AMICO offers Minimum, Medium, Maximum and Heavy Modified Super Max Security mesh panels. The style of mesh can be determined by the overall level of security for the facility and other conditions such as response time by security or law enforcement.

AMICO SECURITY MESH	Weight per sq. ft.	Overall Thickness	Percent Open Area
ASM .75-9F HM	2.38 lbs	.140"	63%
ASM .75-9F	1.71 lbs	.120"	63%
ASM .50-13F	1.40 lbs	.070"	57%
ASM 1.5-9F	1.11 lbs	.110"	77%
ASM .75-13F	.75 lbs	.070"	73%
ASM 1.5-13F	.57 lbs	.70"	80%
ASM .50-16F	.82 lbs	.048"	60%
ASM .75-16F	.51 lbs	.048"	75%
ASM 1.0-16F	.41 lbs	.048"	77%
ASM 1.5-16F	.38 lbs	.048"	82%

Tolerances: Short Way of Diamond (SWD) & Long Way of Diamond (LWD) 0 + 0.25" per 12" of width. Panel sizes: 4' x 8' standard, other sizes are available upon request.

## Mesh Finish

Security Mesh is supplied "mill finish" HR P&O as standard. Hot dip galvanized is available upon request for special applications like in correctional installations adjacent to shower or kitchen areas.

## Framing

Generally, vertical framing members are set 16-inches on center. Horizontal ceiling members are set 24-inches on center. As the requirements for higher levels of security arise the spacing of vertical framing can be reduced to 12-inches on center. 12-inch stud spacing is frequently specified with the ASM .75-9F Heavy Modified.

## Secura Clip Fasteners

For best performance AMICO Secura Clip need to be used. Install clips to metal framing using bugle head self-tapping screws penetrating the framing member a minimum of 3/8-inch. With wood framing use 1-5/8-inch drywall screws allowing the fastener to penetrate framing a minimum of 1-1/2-inches.

Standard spacing is 12-inches vertically per framing member for both vertical and horizontal surfaces.





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