



# Architectural Expanded Products (APEX)

**AMIGUARD**<sup>™</sup>  
PERIMETER SYSTEM



HIGH-QUALITY EXPANDED MESH PRODUCTS

# AMIGUARD *APEX Fencing*



**AMICO Security has improved Expanded Metal manufacturing methods to create a new line of high-quality Expanded Mesh products. The APEX line offers a unique combination of opaqueness, translucency, texture and structural integrity. Our ability to design unique mesh patterns in combination with engineered fastening systems lets us partner with you on a project from design development through installation.**

**Inspired by creativity around the world, APEX meshes are at the forefront of modern design. Soft curves and unusual apertures combine to present mesh that can blend seamlessly into its surroundings or make a bold architectural statement.**



## **SUSTAINABILITY**

AMICO Security 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 Security is committed to meeting the needs of today without compromising the needs of future generations.





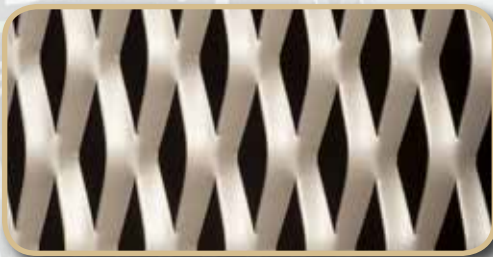
## What is Expanded Metal

The process for expanding metal was first patented in the 1880's, and despite the amount of time which has elapsed since then, the process remains true to the original idea. Sheets of metal are fed into the expanding machine. The metal is sheared and then stretched in a single process creating the apertures and therefore expanding the metal. Custom knives can be manufactured to create an exclusive design such as the APEX meshes.



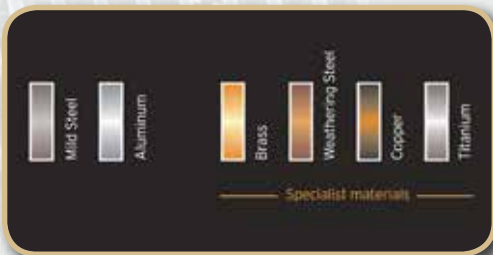
## APEX 01 Mesh

APEX 01	Short Way Pitch	Long Way Pitch	Visual % Open Area	Weight
	3.50"	8.00"	46%	0.98 lbs/sq ft



## APEX 03 Mesh

APEX 03	Short Way Pitch	Long Way Pitch	Visual % Open Area	Weight
	2.50"	6.00"	26%	1.34 lbs/sq ft



## Materials

Most malleable materials can be expanded, perforated and produced into gratings with mild steel, aluminum and stainless steel being the most common. However, more fashionable, precious metals such as brass, copper, gold—even platinum and titanium—can be manufactured into AMICO products. Each of these materials has its own “special” characteristics: aluminum gives lightweight longevity, steel brings strength, and copper ages beautifully, maturing to stunning verdigris.



## Finishes

AMICO Security offers two highly corrosion resistant finishing options: Hot-Dip Galvanizing and Powder coating over E-Coating. These finishes help protect and add color to our base materials creating stunning visual effects.



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