

AMIGUARD BALLISTIC PANELS™



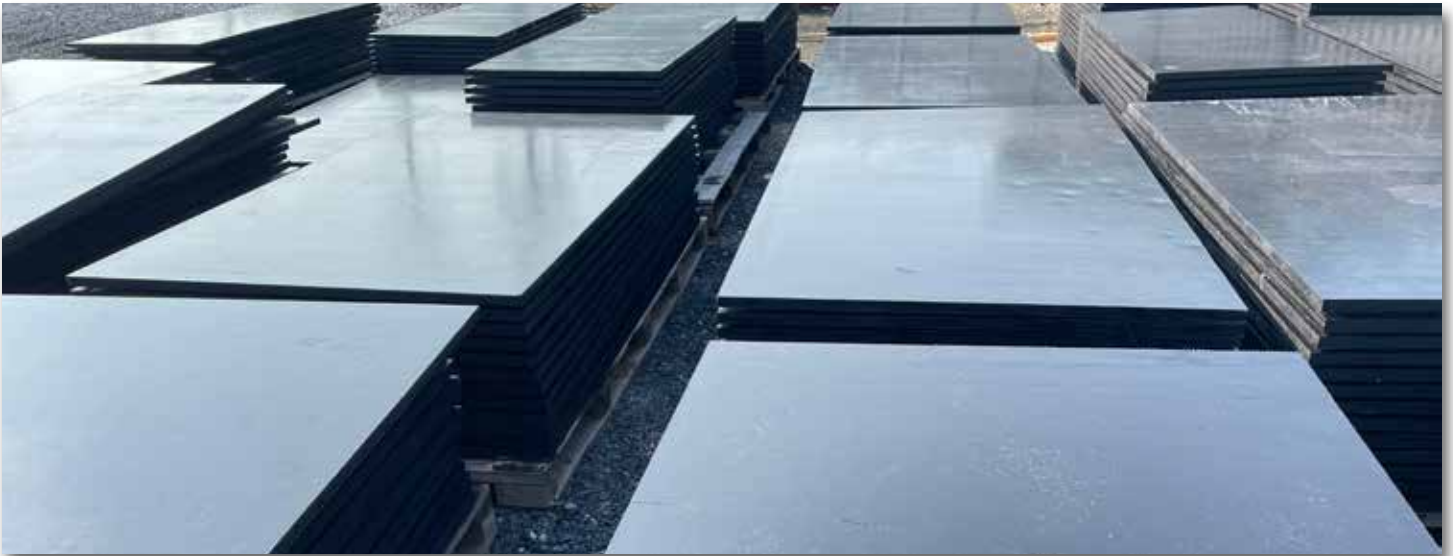
**AMIGUARD® 4740 Palisade fence with
with AMIGUARD® Ballistic Panels**

AMIGUARD Ballistic Panels V083023



AMICO®
PERIMETER SECURITY

AMIGUARD BALLISTIC PANELS™



AMIGUARD® Ballistic Panels for ballistic fence, wall and gate systems are being manufactured by a world leading manufacturer of bullet resistant fiberglass. The composite laminate consists of fiberglass reinforced thermoset resin designed to defeat a projectile through a process of energy absorption through controlled delamination and energy dissipation.

The fiberglass reinforcement transfers the energy of the bullet across the width of the panel. In addition, the resin is designed to separate into individual plies through a process of controlled delamination to eventually absorb all the energy and stop the bullet within the laminate. Once the plies have begun to delaminate, additional shots become progressively

easier to defeat because the energy is more readily absorbed by the laminate.

In contrast to metal barriers, the fiberglass laminate is designed to prevent ricochet of the projectile as well as spalling on the non-threat side of the bullet resistant panel.

Bullet resistant fiberglass panels are used to protect the employees, buildings, and other critical assets for many types of commercial and industrial organizations including: electric utilities, military and government facilities, law enforcement locations, and more.

Through our custom design for bullet-resistant panels, we've developed the highest quality and reliable product for defensive architecture.

Unique Benefits of AMIGUARD® Ballistic Panels

- Lighter Weight Than Steel
- Easy To Install With Standard Tools
- Effective Delay Against Forced Entry
- Low Wicking – No Build-Up Of Mold
- Non-Toxic Materials
- 1-Hour Fire Rating (ASTM E119-00)
- Available In Sizes Up To 5' x 10'
- Available In The Full Range Of UL 752
- Standard Sizes Stocked for Quicker Lead Times





AMIGUARD® Ballistic Panels Manufacturing Process

High-quality materials, skilled craftsmanship and the best manufacturing processes are utilized in the fabrication of each and every AMIGUARD® Ballistic Panel. Continuous product testing ensures that our panels meet the highest criteria of ballistic resistive integrity.

The first element of manufacturing quality bullet-resistant panels is using only reliable and long-lasting raw materials. One reason that the AMICO Security product line has become the preferred bullet resistant fiberglass panel is our commitment to not use starch-oil fiberglass, which is organic and tends to break down in time.

AMICO Security's bullet-resistant panels are manufactured by combining woven-roving fiberglass with resin, precision-assembled and cured in a press with heat and pressure while maintaining quality and consistency. With our unique capabilities including hydraulic presses, water jet cutting, industrial sanders and testing facilities, AMIGUARD® Ballistic Panel are offered in a variety of standard size sheets ranging from 3', 4' & 5' widths by 8', 9' & 10' lengths of any combination. We also offer custom cutting to fit your unique design with the ability to cut to any 2-dimensional size, pre-drill holes, bevel cut, etc. Our intensive Quality Assurance Program in conjunction with our ISO 9001:2015 registration will ensure every panel we manufacture meets and/or exceeds our customers' requirements.

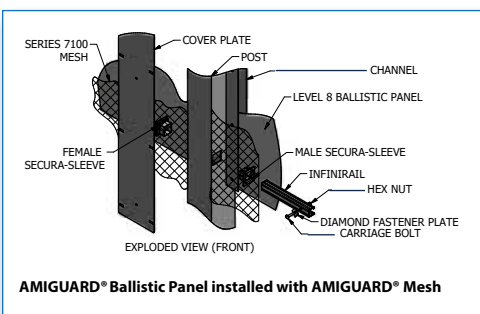
AMIGUARD® Perimeter System

The AMIGUARD® Ballistic Panels are fully compatible with the AMIGUARD® Perimeter System, a patented "unitized" system which incorporates innovative components. Tied together this creates a total curtain wall perimeter barrier.

AMIGUARD's unique approach incorporates innovative solutions to solve common high security concerns including aesthetics, a seamless design, and ease of installation. The AMICO Security system allows you to incorporate various types of infill panels, making it the most versatile high security option on the market. AMIGUARD® is available in galvanized, powder coated and duplex coating finishes, with up to a 10-year limited warranty.



AMIGUARD® Ballistic Panels installed with AMIGUARD® 7100 Series Mesh in front (view from back)



AMIGUARD® Ballistic Panel installed with AMIGUARD® Mesh

UL 752 Protection Levels

UL Rating	Nominal Thickness	Nominal Weight lbs/sq. ft	Ammunition	Grain	(g)	Min fps	Velocity (m/s)	# of Shots
Level 1	1/4"	2.6	9mm Full Metal Copper Jacket with Lead Core	124	8.0	1175	358	3
Level 2	5/16"	3.6	.357 Magnum Jacketed Lead Soft Point	158	10.2	1250	381	3
Level 3	7/16"	4.8	.44 Magnum Lead Semi-Wadcutter Gas Checked	240	15.6	1350	411	3
Level 4	1-3/8"	13.9	.30 Caliber Rifle Lead Core	180	11.7	2450	774	1
Level 5	1-7/16"	14.8	7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball	150	9.7	2750	838	1
Level 6	3/8"	3.9	9mm Full Metal Copper Jacket with Lead Core	124	8.0	1400	427	5
Level 7	1-1/8"	11.7	5.56mm Rifle Full Metal Copper Jacket with Lead Core	55	3.56	3080	939	5
Level 8	1-7/16"	15.2	7.62mm Rifle Lead Core Full Metal Copper Jacket Military Ball	150	9.7	2750	838	5

Target Range 15 ft.



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