



AMERISTAR®

IMPASSE

High Security Steel

Raising Barrier Expectations



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Traditional security fences of chain-link or wire mesh and barbed razor tape are no longer enough to meet today's increased security demands. They do not delay serious attacks or intrusion attempts for more than a few seconds. Ameristar's (Patent Pending) Impasse Security Fence offers the resistive strength of heavy-duty steel spears secured vertically to a framework of specially formed steel rails and I-beam posts. The stylish design of the Impasse, combined with its strength and security, provides a successful first line of defense. The structural configuration of the Impasse system not only delays aggressive attacks, but also allows for the seamless integration of additional security features such as anti-ram cables, sensors and alarm systems.

Impasse Gauntlet

The Gauntlet is designed with high-tensile steel corrugated pales that rise above the topmost rail with an outward curve and terminate with a triple pointed and splayed spear tip. The outward curved picket discourages attempts to gain access by climbers. The rail also adds extra protection with spiked points extending upward from the rails between each pale to prevent a grip or foothold by climbers. Additional protection devices can be added to make a more inaccessible and secure perimeter.

2-5 Rail
6' or 8' post spacing





Impasse Trident

The Impasse Trident is made of high-tensile steel corrugated pales that rise above the topmost rail and terminate with a menacing triple-pointed and splayed spear tip. Spiked points extend upward from the rails between each pale to prevent a grip or foothold by climbers.

2-5 Rail
6' or 8' post spacing

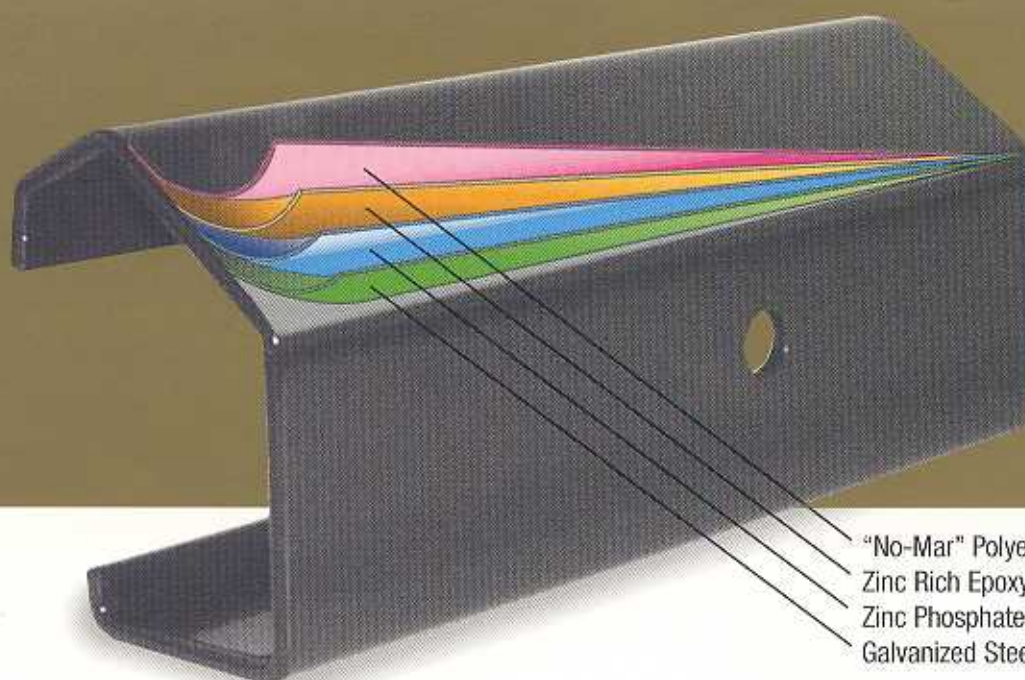
Impasse Stronghold

The blunt, slightly rounded tip of the Stronghold offers strength where necessary, while providing safety for the general public. The Stronghold features the same structural configurations of its high-security counterparts.

2-5 Rail
6' or 8' post spacing



Protection From Environment



"No-Mar" Polyester Color Coat
Zinc Rich Epoxy Powder Coat
Zinc Phosphate
Galvanized Steel



Color Swatch



Black



Bronze



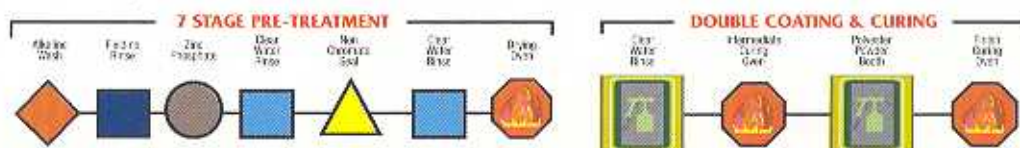
White



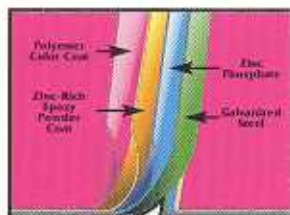
Desert Sand

Request color chip samples for actual color. Additional colors available upon request. Additional fees will apply.

11 Stage PermaCoat® Double-Coating Process



All fence parts, gates and accessories are given complete PermaCoat® application



① Zinc compounds are used in the phosphatizing process because they add a significant amount of sacrificial cathodic protection. The zinc is much more active than steel; therefore, the zinc must oxidize before the steel is free to corrode. Iron phosphate, by contrast, provides no sacrificial cathodic advantage when applied to steel.

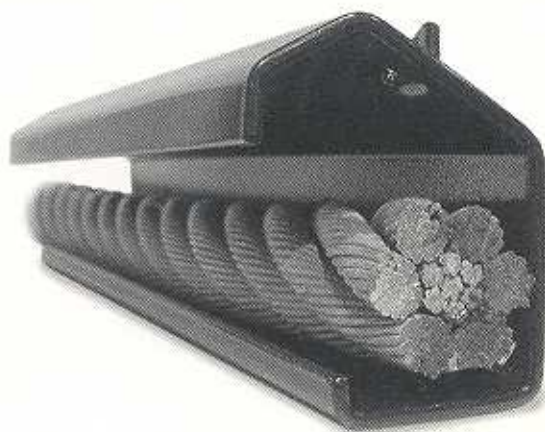
② The epoxy in the first of Ameristar's two coating applications acts as an adhesive to bond a dense matrix of zinc particles together; in effect, creating a second galvanic layer (3 mils thick) between the galvanized substrate and the polyester finish coat.



Impasse Gates

All Impasse gates, from a single pedestrian to drive gates, have a welded construction. The PermaCoat powder coating system follows the welding process to protect from corrosion and enhance the overall appeal. Impasse gates are available up to 26 feet for cantilever gates, 20 feet on roll gates and 32 feet on double swing gates.

Security Upg



Standard security features of the Impasse fence include the unique roll-formed Impasse I-beam which acts as a strong barrier to support the entire fence system. The fishplate bracket, a solid steel flat bar, fits through slotted holes pre-punched into the post. Heavy stainless steel tamperproof nuts and bolts attach adjacent rails to either end of the fishplate bracket, ensuring a solid and secure connection. Tamperproof carriage bolts fit snugly into the recessed depression on the face of each pale, deterring attempts to pry or chisel the bolt head.

The Impasse middle rails accept the Stalwart integrated cable system for added perimeter security. This combination has successfully tested to the U.S.

Department of State's K8 rating, stopping a 15,000-pound truck traveling at 40 mph within 1 meter of the fence line. Impasse impedes forcible entry, increases the delay time significantly longer than other systems, and provides far greater assessment and response time. The addition of Ameristar's integrated cabling system provides an anti-ram defense against forced entry, ballistic attack, or vehicular impact, and its open architecture allows for the integration of intrusion detection systems. Ameristar has physical perimeter solutions designed to maximize security without negatively impacting budgets.

Grade Options



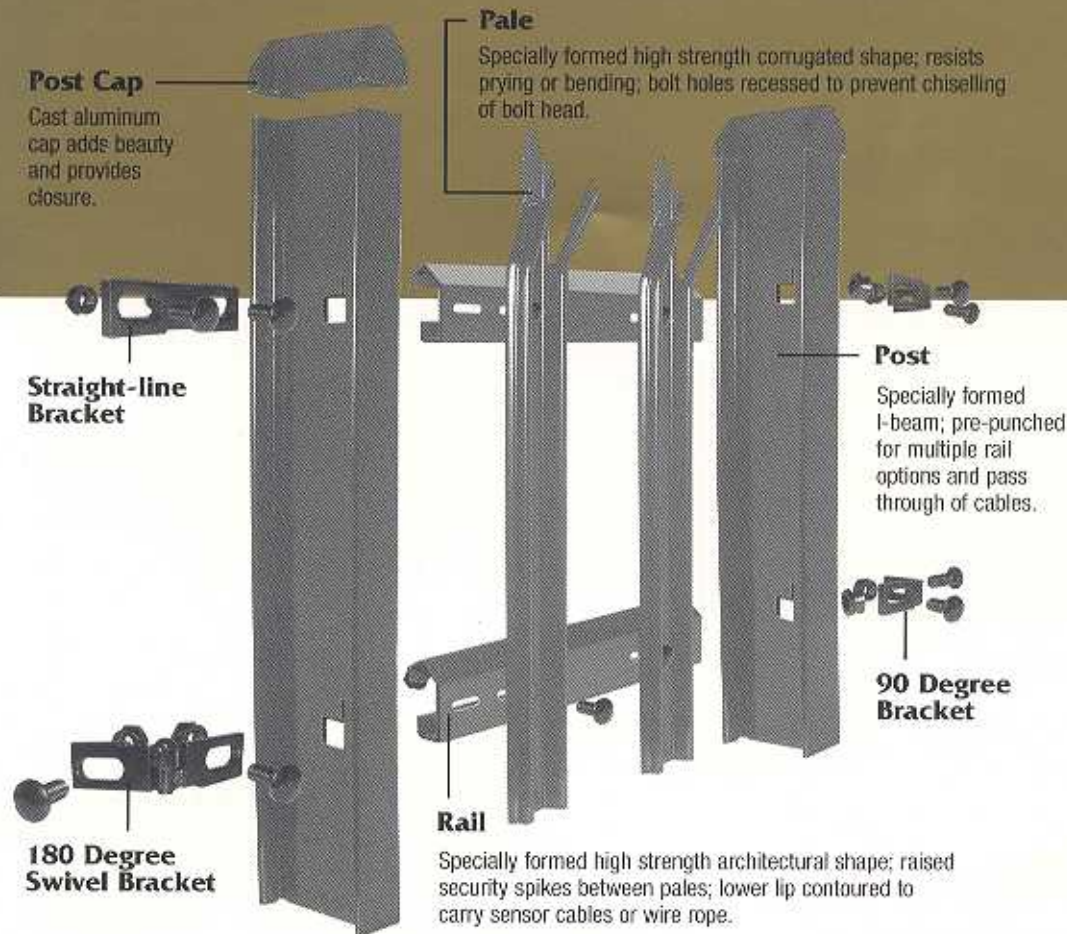
Impasse is the first fence system designed to incorporate all forms of physical protection and detection equipment in to a single perimeter solution. Consider all these features that can be integrated with the Impasse:

- The Stalwart Anti-Ram Cable System
- The Xspan Anti-Climb Screen System
- Vehicle Access Control Systems
- Barbed Tape Helical Coil Toppings
- IDS (Intrusion Detection Sensors)
- Lighting Systems
- Closed Circuit TV Systems
- Access Control
- Biometrics/Card Readers/ Retina & Print Scans
- Entrance Containment

Impasse contains special features designed in the framework that enable the fence to protect and hide virtually any security accessory. For example, the rails can be used as conduit trays replacing the need for trenching to run underground conduit. This allows for faster installation

and lowered construction cost. For complete accessory capabilities call your Ameristar representative today.





Break-Away Hex Nut

Stainless steel security nut prevents tampering or removal by normal tools.

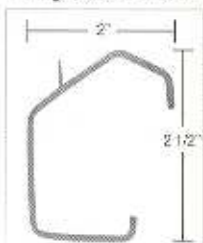
Impasse I-Beam



Structural Parameters	Impasse I-Beam	Std RSJ H-Post	Square Post	Round Post
Architectural Profile of Post				
Bending Strength (lbs/in)	93,700	68,875	36,953 54,520	24,400 43,900

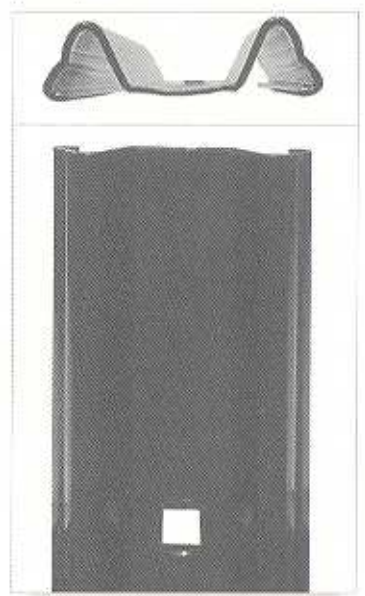
NOTE: Materials roll-formed to achieve a double wall effective thickness of 0.200"

Impasse Rail



Structural Parameters	Impasse Rail	Std RSA Rail	U-Channel Rail	Square Rail	Round Rail
Architectural Profile of Rail					
Design Load (Vert)					
Pvd 8' Span	425	338	178	211	191
Pvd 8' Span	319	253	134	158	143

The Impasse Pale (picket) is designed with a special corrugated shape to ensure greater resistance to bending loads, particularly with attempts at pale separation.



50 KSI Steel

For a complete specification or additional technical information,
please visit our website at www.ameristarfence.com,
or contact us at 1-866-IMPASSE (467-2773).

Redefining Right



AMERISTAR®

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