

Security Barrier Design Attributes

PAYNE FENCE/BARRIER SYSTEM
Barrier Type

Guardian Fence System
Rigid Metal Mesh

Guardian "Hybrid"
Rigid Mesh / Anti-Ram

EZ-UP Fence System
Ornamental Steel

GS-3 Fence System
Rigid Mesh / Ornamental

Rhino Anti-Ram Barrier
Vehicular Anti-Crash

Rhino PVB
Primary Vehicle Barrier

Border-Guard Barrier System
High Security Steel Wall

ArmorGuard
Bullet Proof Barrier

DESIGN CRITERIA

DESIGN CRITERIA	Guardian Fence System	Guardian "Hybrid"	EZ-UP Fence System	GS-3 Fence System	Rhino Anti-Ram Barrier	Rhino PVB	Border-Guard Barrier System	ArmorGuard
Cutting Resistance	X	X	X	X	X	X	X	
Climbing Resistance	X	X		X			X	X
Vehicular Ram Resistance		X			X	X	X	
Tunneling Resistance		X				X	X	
Blast Resistance							X	
Ballistic Resistance							X	X
High Deterrence	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X ⁽³⁾	X	X	X	X
Fiber-Ready	X	X	X	X		X	X	X
Threat-Based Modular	X	X					X ⁽⁴⁾	
Partitioning	X	X						X
Slows Pedestrian Traffic	X	X	X	X	X ⁽²⁾	X ⁽²⁾	X	X
Resists Pass-Thru of Materials	X	X		X			X	X
Pre-Fabricated Modules	X		X	X			X	X
Easily Add Roof Enclosure	X	X		X				
Integration with Tamper Detection Systems	X	X	X	X		X	X	X
Integration with Barbed Tape Concertina	X	X	X	X			X	X
Non-Bridgeable	X ⁽¹⁾	X ⁽¹⁾	X ⁽¹⁾	X ⁽¹⁾	X ⁽⁵⁾	X ⁽⁵⁾	X ⁽¹⁾	
Optional - No Water Req. For Install (6)	X	X	X	X	X	X	X	X
Low Maintenance	X	X	X	X	X	X	X	X
Readily Available Materials	X	X	X	X	X	X	X	X
Ease of Repair	X	X	X	X	X	X	X	X
Available Galvanized or Powder-Coated	X	X	X	X	X	X	X	
Good Visual Transparency	X ⁽⁷⁾	X ⁽⁷⁾	X	X ⁽⁷⁾	X	X		
Minimal Radar Shadow	X ⁽⁷⁾	X ⁽⁷⁾			X	X		
Sustains Wind Speed over 70 MPH	X	X	X	X	X	X	X	
Useful Life Expectancy (Years)	20+	20+	20+	20+	20+	20+	30+	15+

Notes

- Based on system height of 10'-15', would be difficult to ramp or bridge. Also see note 4.
- Slows pedestrian traffic only, with a 42" H horizontal member. Can be easily modified to improve pedestrian resistance.
- Can be made to any height.
- Variable in height only.
- Made difficult by staggering height of adjacent bollards.
- Where solid rock is encountered, relatively small amounts of high-strength concrete may be necessary.
- Radar Shadowing and Visual Transparency depends on mesh density.

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