

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
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DESIGN CRITERIA

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.

Contact Information

Payne Fence Products
3309 SW Interstate 45
Ennis, TX 75119
Ph: 972.878.7000
Fx: 972.878.4703
fence@BetafenceUSA.com
www.BetafenceUSA.com