



PALISADE High Security Steel Pale Fencing

Palisade, by Gryffin, is an all steel modular fencing system specifically designed for installations where a high level of security is required. Designed to offer a strong psychological deterrent to unwanted intruders, Palisade will help take your perimeter security to a new level.



Seriously secure

Palisade is a high security steel pale post and rail rigid bolted fence system with anti-tamper shear nuts.

Pales are available in both 'W' and 'D' profiles, with the 'W' providing even greater levels of strength and durability. You also have the choice of standard 3mm pale thickness, 2mm commercial grade thickness, triple point spear top, single point spear top or flat top.

Whatever option you choose, Palisade offers a strong psychological deterrent to unwanted intruders.



Stylish and versatile

The smooth, stylish finish of Palisade makes it a versatile option for a wide range of applications. Palisade and Maxiguard® can rake to sloping ground and extra strengthening can be added with the Gryffin Enclosure system. Both fences are galvanised but can be supplied in an optional powder coated finish to blend with corporate colour schemes.



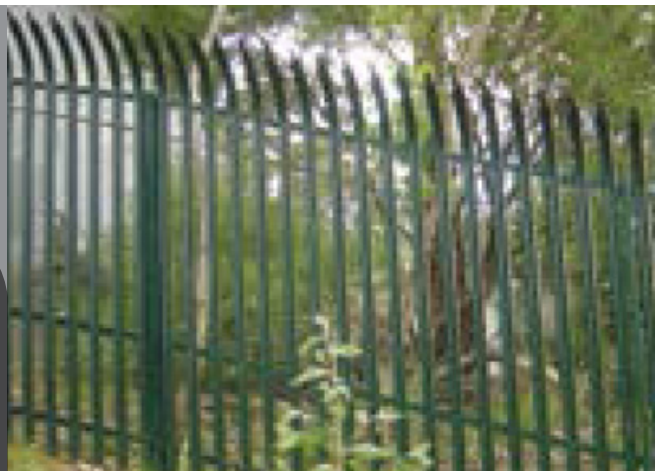
Ideal applications

- Utilities
- Transport
- Airports & sea ports
- Embassies
- Emergency services
- Councils
- Schools
- Carparks
- Commercial properties
- Storage facilities
- Waste facilities
- Sports grounds
- Motorway security
- Car & boat yards

MAXIGUARD® - Outrigger curved top pales

Maxiguard®, by Gryffin, is an all steel modular fencing systems designed with a special outrigger curved top for installations where an even higher level of security is required.

More intimidating than standard Palisade, Maxiguard® is harder to climb and therefore more secure.



PALISADE High Security Steel Pale Fencing

Specifications

Pale profiles

Palisade is a straight pale fence, and Maxiguard® provides increased scaling difficulty with an attack side outwardly curved pale top. Pales are available in both 'W' and 'D' profiles, where the 'W' profile provides greater strength. You also have the choice of standard 3mm pale thickness, 2mm commercial grade thickness, triple point spear top, single point spear top, or flat top. Due to Gryffin's smart design both Palisade and Maxiguard® can rake to sloping ground. Extra strengthening can be added with the Gryffin Enclosure system or cable anti-ram system.

Pale finishes

Both fences are Galvanized and made to BS1722-12 206, are SCEC endorsed, can be supplied in an optional Powdercoat finish, and come with a 15 year manufacturer's warranty (conditions apply).

Fence pale form

Cold roll formed to "D" or "W" section design. Finished width should be 70mm. Pale heads with press formed sprayed "triple point". Finished pale is straight with no visible twist or warp. Pales are generally fence height less 50mm for ground clearance.

Tolerance:	Thickness	+0.021
	Width	+0.014
	Length	+0.25%

Manufactured to British Standard B.S. 1722 Part 12 2006.

Fence pale material

HU1S forming steel. Transverse tensile (typical on basis of 3.0mm thick):

Yield strength	200-280 MPa
Tensile strength	330-380MPa
Elongation on 80mm	30% minimum
Hardness	52-62 HRB

Australian Standard AS1365 Origin: Australia.

Fence post form

Cut to length to allow appropriate footing depth. Top of post cropped and beveled to form point. Web slotted with 42 x 9mm slots to receive rail joining fish plates. Optimum post spacing is 2750mm or less. Hot dip galvanized after fabrication to A.S. 4680 – 2006. Manufactured to British Standard B.S. 1722 Part 12 2006

Fence Post Material

Tapered Flange Beam (TFB) 100 x 45mm x 7.20kg/MG. up to 2.4m in height Grade 300 plus of I: Moment of inertia Y Axis (90° to fence line) - 0.0795x10⁶mm⁴ X Axis (along the fence line) - 1.46x10⁶mm⁴ Minimum tensile strength 440 MPa. Australian Standard AS 3679.1-300Origin: Australia

Fence paling spacing

152.56mm centre to centre (general).

Fence Post Dimensions

Fence can be made to any height upon request. Post lengths can be varied to suit site conditions or structural engineers requirements.

Rail Joining Plates (Fish Plates)

Square edge flat bar 40 x 8mm x 2.58 kg/mt. 140/110mm long with 2 off 25 x 14mm slots at 28mm centres from each end. Hot dip galvanized after fabrication to A.S. 4680 – 2006. Manufactured to British Standard B.S. 1722 Part 12 2006. Material to Australian Standard AS 3679.1/300. Origin: Australia.

Fence Rails

Equal Angle 50 x 50 x 6mm x 4.46 kg/mt. 14mm square hole at 28mm centres from each end. 17 off 11mm ø holes punched at 152.56mm centres along length. Hot dip galvanized after fabrication to A.S. 4680 – 2006.

Manufactured to British Standard B.S. 1722 Part 12 2006.

Material to Australian Standard AS 3679.1-300

Origin: Australia.

Mid-Bay Supports

500mm x M12 Galvanized Threaded Rod for vertical rail alignment.

Fasteners

Rail to fish plate: M12 Galvanized, Tamper proof and shear nut. Pale to rail: M8 Galvanized, Tamper proof bolt (or 6mm Pin and Collar rivet (Huck, Avdel etc)).

Powder Coating

All fence components to be Powdercoated after fabrication by:

- Hot alkali degrease and clean
- Clean water rinse
- Hot acidulated final rinse.
- Powder coat to 70 +/- 10 microns

Complies to British Standard BS 6497-1984.

Complies to AS4506-2005.

Individually protected, stacked and strapped for shipment.

Touch Up

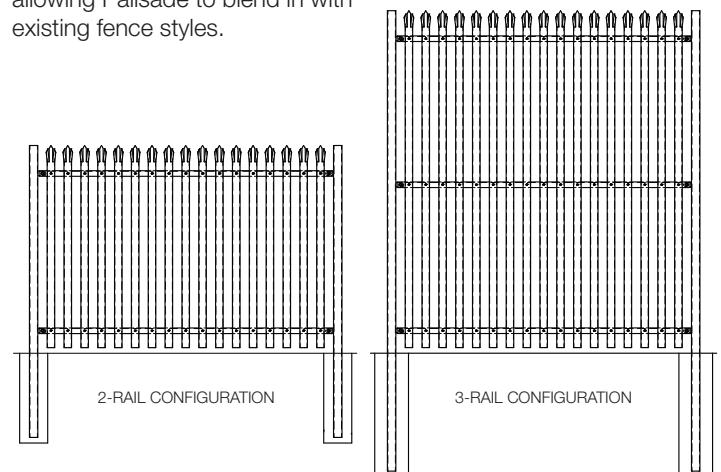
Galvanized finish: Following installation of all fasteners, break off points should be treated with a generous coating of zinc rich cold galvanising paint.

Powdercoat finish: As above with the addition of a matching colour touch up paint.

Fence configuration

Depending on the height of the fence they will either be installed in a 2-rail or 3-rail configuration. Fences with a height of more than 2.5 metres would typically need a 3-rail configuration.

The position of the rails is flexible, allowing Palisade to blend in with existing fence styles.



Also available

Electric fencing and in-fence detection systems.

For more specifications and information about PALISADE or MAXIGUARD®, please visit www.gvsecurityfencing.com.au