



ANTI-CLIMB AFRICA

**COMPANY
PROFILE**

ABOUT THE COMPANY

The company is a South African based company and we currently export throughout Africa. Securing 5 established branches in Johannesburg, Durban, Port Elizabeth, Swaziland and Dubai, the coverage is able to provide a global team to serve our customers as efficiently as possible. With over 10 years working experience in the fencing industry, we are committed to providing a professional service while offering quality products to all our customers. Due to the popular demand for the Anti Climb Fence the company has made this the core focus of the business model.



The company has grown a reputable portfolio of projects since 2007. Clients such as Public Works, Local Municipalities and various government departments are some of the recently completed project.

The Anti – Climb fence has many success factors compared to other similar manufacturers in the marketplace. Some of the factors are as following: the mesh and post complies with SABS and SGS on all critical infrastructure requirements, the unique IPE post system is much more durable containing an anti-tamper restrictions and it does not allow excessive brute force or weapons to break into the mechanism, the coating selections come in options of either PVC or Polyethylene Coating.

We have proven that other manufacturers do not always offer this choice, all our products are HD galvanised and are coated thereafter, our fixing system is easy to install compared to other suppliers as there is no power tools or electrical components needed on site, this allows us to comply with our guarantee with no rust as all poles are pre-drilled in factory galvanised and coated thereafter, and finally, as being a manufacturer we customise any height & width of mesh, poles or unique specifications as per our customers unique requirements.



MISSION STATEMENT

MISSION

- Provide high-quality, affordable piping/fittings solutions,
- Create and cultivate long-term relationships with clients,
- Respond immediately to changing needs of our clients,
- Achieve complete customer satisfaction.

VISION

Our vision is to generate consistent and sustainable service/quality. To achieve this objective, we continue to practice the values that stand at the core of our professional philosophy.

OUR VALUES



SAFETY FIRST AND ALWAYS

We have an obligation to our clients, our shareholders, our associates, society and the public to operate safely. Nothing we will do is worth compromising our lives or the lives of others.



INTEGRITY IN EVERY ACTION

We will conduct our business with the highest ethical standards. Truth and honesty is a key to the way in which we will operate.



RESPECT FOR ALL

We seek and value diversity of perspective, experience, and background as the foundation of the enterprise. We treat all clients with dignity and respect.



EXCELLENCE IN ALL WE DO

We strive to provide the highest quality services to our clients. We have a relentless passion for innovation and improvement. We resent complacency.

OUR PRODUCTS

ANTI-CLIMB FENCE

Our product is made with high tensile reinforce wire mesh welded with vertical and horizontal wires. The wire gapping is closely welded together which make it difficult to climb and cut. Its anesthetic design gives it an invisible illusion to the eye. This product can be used for industrial and commercial sectors.

Anti - Climb is one of the fastest growing security options for all types of sectors. We have catered for Airports, Government Sectors, Railway and many more sectors that need high security.

We are committed to giving our clients the highest quality with the most competitive price so that you won't have to compromise on your security.

SPECIFICATIONS

MESH PANEL

- HEIGHT : 1.8M, 2.1M, 2.4M, 3M (A1:A2)
- MINIMUM WIDTH : 2.9M WIDE (A1:A2)
- APERTURE : (A1) 76.2 MM X 12.7 MM (A2) 50 MM X 100MM
(Manufacturer can make any custom made aperture and thickness if quantity is acceptable)
- VERTICAL WIRE THICKNESS : (A1) 4 MM (A2) 4 MM
- HORIZONTAL THICKNESS : (A1) 4 MM (A2) 4 MM

SQUARE POST : (B2 & B3)

- DIMENSIONS** : 60 MM X 60 MM : 80 MM X 80 MM
- THICKNESS** : 2 MM : 2.5 MM : 3 MM
- CAP** : WELDED WATERPROOF POST CAPS
(All post must be galvanised before coating)

TOPPING OPTIONS

SPIKES : (C) 100 MM HIGH AT 50 MM INTERVALS

ANTI-BURROW OPTIONS

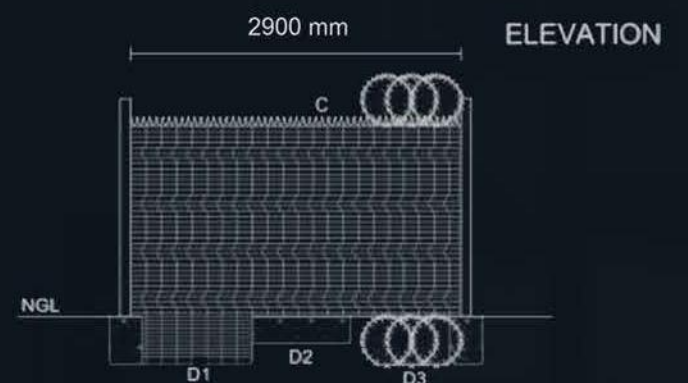
- D1 - 400 MM ANTI-CLIMB MESH EXTENSION
- D2 - 200 MM CONCRETE SILL
- D3 - 500 MM RIPPER FLATRAP



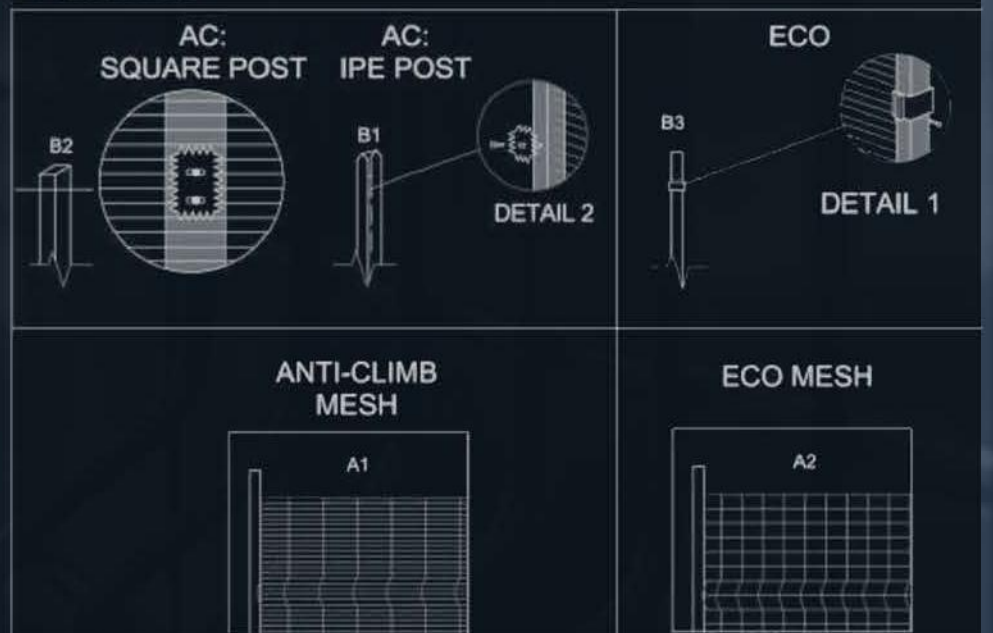
Prevents Climbing Small Opening means no toe or finger hold for climbing attempts. No passing of tools or weapons through fence

Prevents Cutting Strong wire and welded joints make cutting very difficult. Small mesh size prohibits

Prevents Destruction due to vandalism. Small mesh protects against brute attacks as it doesn't allow leverage



Post details



ANTI-CLIMB USAGE:

- Airport
- Petroleum and Chemical Facilities
- Roadways
- Power Plants and Substations
- Manufacturing Plants
- Highways
- Military Sites and Government Facilities
- Prisons
- Railways
- Security Bollards
- Wedge Barriers
- Ports of entry

DESCRIPTION

In providing a unique security fencing solution, our company has manufactured the exclusively designed Anti-Climb fence. The Anti-Climb spec is a perimeter security product that maintains a guarded display of visual screening to eliminate potential entry. The Anti-Climb spec by Anti-Climb Africa, combines a galvanized mesh that discourages cutting and climbing, with patent framework that provides a total security solution.

The 76.2 mm x 25 mm is a cost effective security solution , our company has engineered this spec to suit the needs of our end users.

Aperture sizes have increased from 12.7 mm to 25 mm allowing the spaces between the mesh to have larger opening spaces. This type of mesh is used for any purpose as it offers a cost effective solution to end users who want to use Anti-Climb to meet necessary budget spending.



OUR PRODUCTS CONTINUED

ECO-MESH

WELD – MESH

Welded wire mesh is economical and ideal for many uses. The wires used in the manufacturing process are welded into a variety of mesh sizes. Different gauge wires are used. Heavier gauge wire will last longer due to the fact that it will take longer for rust to eat through the wire. The gauge and mesh sizes are determined by the final use of the product.

The main surface treatments are electric galvanizing, hot-dip zinc plating, PVC coated.

Galvanized weld products are made by dipping previously welded mesh into a bath of molten zinc. The entire fence or mesh, including the welded areas, is thoroughly sealed and protected against rust and corrosion.

PVC coated wire mesh is coated with a thick layer of PVC which is tightly bonded to the wire by a heat process. The coating is flexible and will not crack when the wire is bent. They have double protection. Not only does the vinyl coating seal the wire from water and other corrosive elements, but the underlying mesh is also protected by a zinc coating.

Stainless steel welded wire mesh is strong and long lasting. By its very nature stainless steel wire needs no additional finish, such as galvanizing or PVC, to protect it.

WELD-MESH

DESCRIPTION

Welded Wire Mesh Materials:

Mild steel wire

Stainless steel wire

Galvanized steel wire

Hot-dipped zinc plating iron wire

Welded Wire Mesh Feature:

Welded wire mesh enjoys excellent corrosion resistance, oxidation resistance, long lasting and rust resistant.

Welded wire mesh is stable over a wide temperature range, maintaining its qualities in extremes of both hot and cold.

Galvanized weld is very strong and durable.

The coating is very resistant to scraping and abrasion.

Welded Wire Mesh Application:

Welded wire mesh is extensively used as decoration and machinery protection material in agriculture, construction, transport, mine, sports field, lawn and various industrial fields.

Smaller meshes made with lighter gauge wires are ideal for making cages for small animals.

The heavier gauges and meshes with larger openings make good fences.

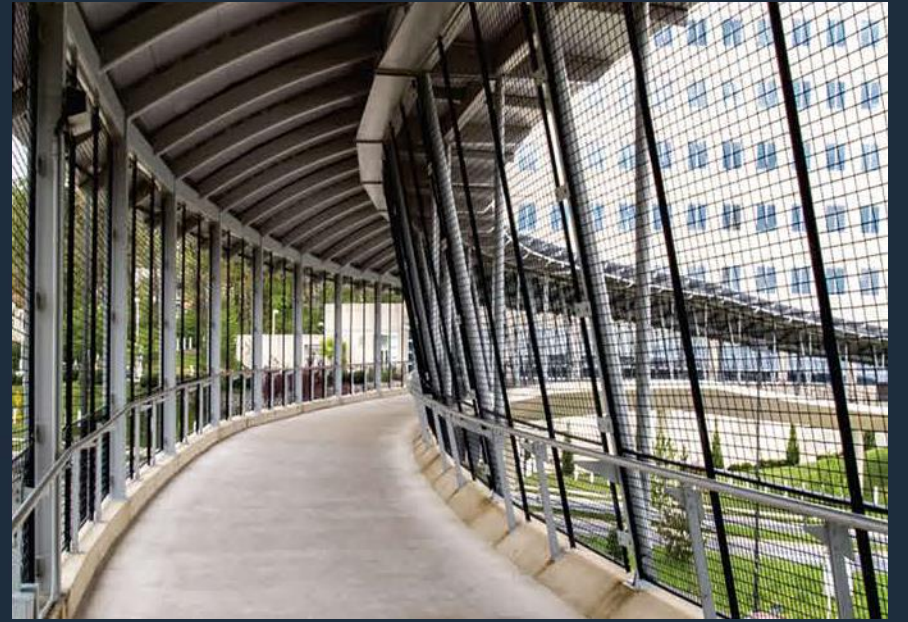


ANTI-CLIMB AFRICA

SPECIFICATION OF WELDED WIRE MESH

OPENING		
INCH	MM	WIRE DIAMETER (BWG)
1/4"X1/4"	6.4MMX6.4MM	22,23,24
3/8"X3/8"	9.5MMX9.5MM	19,20,21,22
1/2"X1/2"	12.7MMX12.7MM	16,17,18,19,20,21,22,23
5/8"X5/8"	16MMX16MM	18,19,20,21
3/4"X3/4"	19MMX19MM	16,17,18,19,20,21
1-1/2"	25.4MMX12.7MM	16,17,18,19,20,21
1-1/2"X1-1/2"	38MMX38MM	14,15,16,17,18,19,20,21
1"X2"	25.4MMX50.8MM	14,15,16
2"X2"	50.8MMX50.8MM	12,13,14,15,16
2"X3"	50MM X 75MM	2.0MM,2.5MM,1.65MM
3"X3"	75MM X 75MM	2.67MM,2.41MM,2.11MM,1.83MM,1.65MM
2"X4"	50MM X 100MM	2.11MM,2.5MM
4"X4"	100MM X 100MM	2.0MM,2.5MM

SPECIAL SPECIFICATIONS CAN BE PRODUCED BY THE CUSTOMER'S REQUIREMENTS.



STEEL WALL

The Plain Steel Wire Mesh comprises of the Plain Steel Woven Wire Mesh and plain steel woven wire mesh. Plain steel woven wire mesh panel is manufactured using a premium quality woven mesh, through automatic process and sophisticated welding technique. Plain steel woven wire design is a horizontally and vertically woven wire that is welded at every intersection. Plain steel woven wire offers level and flat surface.

DESCRIPTION

Plain steel woven wire meshes are mainly include plain weave, twill weave and Dutch twill woven.

Plain weave is a kind of commonly used weaving method. The warp wire that establish the length of the wire mesh and the weft wire, parallel to the width, cross one another, alternating one on the top and one under, forming a 90 ° angle between each other. Solid woven wire mesh may have a square or rectangular opening.

In the twilled woven wire mesh, the wires of the weft and the warp intercross two above and two below, inverting the intersections of the warp wire at an established distance, obtaining a rigid, stable and robust type of wire mesh fabric.

In Dutch twilled weave wire mesh, the wire of the weft and the warp inter-cross two above, with a larger weft wire than the warp. This kind of wire mesh allows a greater difference between the diameter and the number of weft and warp wire, reducing the mesh opening.

Features:

Wear-resisting, Heat-resisting, Acid-resisting, Corrosion resisting, "Zero" aperture, and Light-proof woven

Application:

The wire mesh made of stainless steel is extensively used in the mining, chemical, food and pharmaceutical industry respectively.

Plain steel woven wire mesh is utilized as filter fittings for chemical industry, medicine, petroleum, telecom-communication, scientific research units to name a few.

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POLYETHYLENE COATING

The Polyethylene Coating is a thermoplastic coating which is designed to endure maximum impact resistance, provides UV stability and it's resistant to stress cracking. The characteristics compared to vinyl coatings presents a similar molecular structure, this coating is environmentally friendly because it does not emit harmful fumes during processing as does vinyl coatings. Since Polyethylene Coating is a powder coating, it is applied using an electrostatic spray or fluidbed means.

Some applications where polyethylene coatings are found at stadium seatings, street furniture, sign posts, fences and fence posts, piping, battery boxes, ducting, vibratory feeders, potable water fittings, springs, and many more.

THE LONG TERM BENEFITS INCLUDE:

- High impact resistance
- High corrosion resistance with cathodic protection
- Excellent resistance to soil stresses
- Highly impermeable to water penetration
- Superior adhesion to steel
- Adequate flexibility
- Excellent insulation properties with long term resistance to stray current
- Can be customised to specific operating conditions by varying the thickness of the coating in line with specifications

SPECIFICATIONS

MESH PANEL

MESH PANEL	: PANEL CAN BE ANY M HIGH (A1)
WIDTH	: 2.5M (A1)
APERTURE	: (A1) 9MM X 55MM
(Manufacturer can make any custom made aperture and thickness if quantity is acceptable)	

VERTICAL WIRE THICKNESS : (A1) 6MM

HORIZONTAL THICKNESS : (A1) 6MM

IPE POST (A1)

DIMENSIONS : 55MM X 100MM

THICKNESS : 3.5MM

CAP : POLYMER WATER PROOF CAP

(All post must be galvanized before costing)

TOPPING OPTION

SPIKES : (C) 100MM HIGH AT 50MM INTERVALS

ANTI-BURROW OPTIONS

D1 - 600MM STEEL WALL MESH EXTENSION

D2 - 200MM CONCRETE SILL

D3 - RIPPER FLAT WRAP

ANTI-CLIMB SOUND BARRIER

Production of metal composite insulation panels highway microporous insulation board series , shutters, sandwich , size needs to be customized according to each household .

DESCRIPTION

Sound barrier consists of two parts of steel columns and absorbing insulation panel composed of the column is the primary force component sound barrier , which is fixed by bolts or welding on the road side barrier wall or rail embedded steel ; suction noise acoustic absorption panels are the main component , it is through high-strength spring clamp to secure the H- column tank to form the sound barrier. Sound barrier has been designed to more fully consider the elevated highway , crash safety urban light rail, subway wind load , transport vehicles and all-weather outdoor corrosion problems. It is nice shape, producing exquisite, easy to transport , install , low cost, long life, especially for the elevated highway and urban light rail, subway use anti- noise, is a modern city ideal acoustic noise reduction facilities. Material was called sound-absorbing material.

Highway sound barriers, sound barrier rail , rail transit sound barriers, sound barriers viaduct traffic noise sound barrier prevention projects, sound-absorbing materials are commonly used metals (metal perforated aluminum sheet, galvanized sheet metal louver hole sound absorption screen)

Noise Fence Sound Barrier Wall Application

Mainly for highway sound barriers, elevated composite roads, urban light rail subway and other transportation facilities in the municipal acoustic noise, control the impact of traffic noise on nearby urban areas, can also be used for acoustic noise reduction factories and other noise sources.

Noise Fence Sound Barrier Wall Surface Treatment

Untreated

Painting

Hot Dip Galvanizing

PVC



Noise Fence Sound Barrier Wall Precautions

Sound barrier, the height of 5m 1m a room, covering an average noise reduction of the effective area of 10 ~ 15dB (A) (125Hz ~ 40000Hz, 1/3 octave), up to 20dB (A). In general, the higher the sound barrier, or farther away from the sound barrier, noise, the better.

Frequency, distance, height and the sound source and the receiving point of the barrier between the barrier and the amount of noise reduction of noise factors. Large component of the relationship between sound and noise reduction barriers and noise frequency, more than 2000Hz frequency sound than the noise reduction effect of around 800 a 1000Hz frequency sound better, but for about 25Hz low frequency sound. Due to relatively long wavelength acoustic diffraction from the barrier easily top the past, so the effect is poor. Typically, high-frequency acoustic sound barrier can reduce the 10-15dB. The height of the sound barrier, according to the height of doubling the distance between the sound source and the receiving point of the design, barrier, it can increase the amount of noise 6dB, in order to make better noise barrier should try to keep close to the sound barrier point source or sink.

STEEL GRATING

Steel Grating is manufactured by using stainless, flat steel or mild steel of predefined sizes through the processing of grooving, lock-pressure, welding, and finishings.

The cross bars made of twisted square steel, are with spacing, placed upon the bearing bars, made of flat steel, and placed side by side.

DESCRIPTION

Steel Grating has been the standard industrial footwalk product for severe corrosive environments and has been a popular grating choice for many years.

Steel grating is a light weight, good strength, large carrying capacity and can save on materials and cost. It offers good exposure to air and light, aesthetic appearance and anti-skid safety. It is also easy to clean, easy to installation and durable for uses.

Materials used:

Aluminium grating

Mild carbon steel

Stainless steel grating

Fiberglass grating

Features:

Hot-dip galvanized treatment: This provides an effective rust-proof product, maintenance-free replacement

Anti-theft design: The cover and the frame is joint with hinge offering security, safety and open convenience.

Savings investments: Large-span. Less lost for heavy load compared with cast iron products. Cost can be saved for the risk of being stolen or crushing one if cast iron is uses.

High strength: The strength and the toughness are much higher than cast iron.

Application:

Steel Grating is very strong and safe for the support of floors, stair treads, sun shades, security screens and elevated walkway.

Steel Grating can be used for ceiling, interior decoration, decoration, platform aisle, ventilation windows, advertising plaque and other construction.

GATES

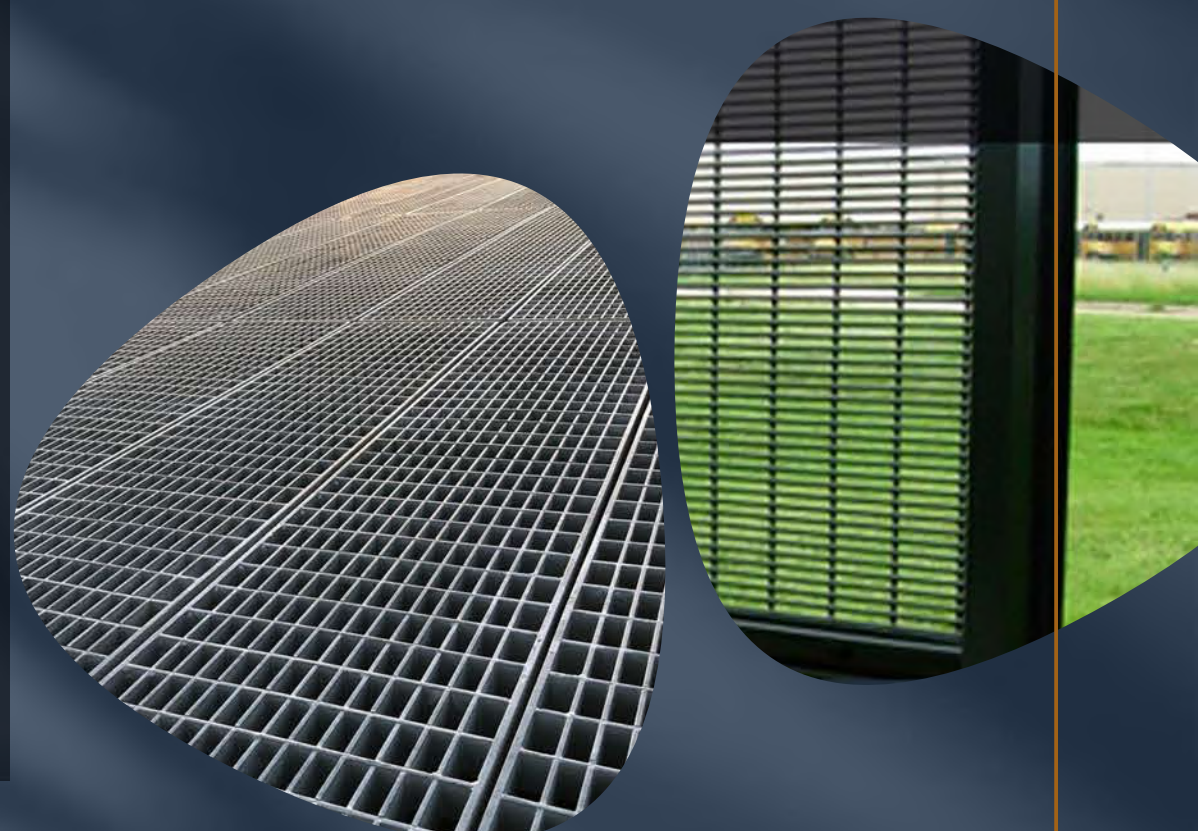
A fence entrance is a typical structure that comes along with a fence. No fence structure is complete without a fence entrance. Fence gate systems are manufactured using an exclusive electro-forged welding process that provides complete penetration of the cross member, and most have a hot-dip galvanized finish with a polyester powder coating that provides the best corrosion protection available.

Fence gate systems are available in swing gates, v-wheel roller gates or monorail track cantilever gates. These gate systems are designed to work efficiently and trouble-free in virtually any setting.

DESCRIPTION

Stand Specification of Fence Gate:

Specification of fence	Spotted by 3mm, 3.5mm, 4mm diameter quality mild steel wire
Opening (mm)	Customised
LxW (mm)	Customised
Frame (mm)	Customised
PVC spraying thickness(mm)	0.15-0.20
With spraying(mm)	4.2
Support post (mm)	48, 60×60 ,80x80or as customised





Please forward us the following information before making and enquiry.

1. Wire diameter of fence panel
2. Opening of fence panel
3. Height and length
4. Surface treatment
5. Post size and height

Fence Panel

Wire Mesh Fence

Fence Post

Fence post is used to support the fence and is available in a variety of sizes and shapes. It includes square post, and anti-theft post (IPE POST). It includes hot dipped galvanized fence post, hybrid (PE) plastic coated fence post and polyester powder(PVC) coated after galvanized fence post.

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