



PRIMO METAL

WIRES & FENCES



www.primometal.com



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Since the beginning of the 21st century, Turkey has seen substantial investments in wire and fence production. This influx of capital has given rise to manufacturers equipped with the latest technologies within the industry. **PRIMO METAL**, with its highly dedicated team and extensive expertise, bridges the gap between customer demand and product supply in the most efficient manner. Situated in Istanbul, **PRIMO METAL** works with the highest operational flexibility.

INTRODUCTION





OUR MISSION

Our mission is to deliver high-quality products at the best prices. Our dedicated team, coupled with our longstanding expertise and comprehensive knowledge of the wire market, makes us a solid and reliable partner for your business. We strive to simplify the process for you to acquire what you need.

OUR STATEMENT

Our aim is to consistently maintain high standards and services in all circumstances. As a strong and reputable partner, **PRIMO METAL** secures the best price for its clients and ensures the entire process, from consultation to delivery, is as straightforward and easy as possible for their customers.

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COLD DRAWN WIRES

Cold Drawn Wires, with varying carbon contents, cater to diverse applications. These wires are utilized in the production of meshes, nails, screws, nuts, springs, shelves, condensers, and CNC applications.



TECHNICAL SPECIFICATIONS

Product Standart	EN 10218
Diameter Range	1.00 - 9.00 mm
Tensile Strength	500 - 1800 N / mm ²
Coil Weight	10 - 1000 kg
Coil Int/Ext Dimensions	200 / 400 mm - 450 / 800 mm 500 / 750 mm - 500 / 1000 mm



HOT DIP GALVANIZED WIRES

Hot Dip Galvanized Wires are produced by immersing low or high carbon wires into a molten zinc bath. The purpose of galvanization is to protect the wire from oxidation and extend its lifespan. The most common applications for hot dip galvanized wires include fences, gabions, barbed wire, razor blade wires, coat hangers, PVC coated wires, vineyards, staples, springs, cables, and armouring.



TECHNICAL SPECIFICATIONS

Product Standart	EN 10244-2
Diameter Range	0.80 - 8.00 mm
Tensile Strength	400 - 1800 N/mm ²
Zinc Coating Mass	40-300 gr/m ²
Coil Weight	25 - 1000 kg
Coil Int/Ext Dimensions	420 / 780 mm 500 / 900 mm



BARBED WIRES



Barbed wires serve as a protective measure for lands or properties against animal or human intrusion. They also serve as an effective material for demarcating land boundaries. There are two main types of barbed wires: conventional and reverse twist.

The Reverse Twist Barbed Wire is manufactured from thinner wires compared to the conventional type. The price and resistance of the product vary according to the diameter, zinc coating, and tensile properties.

The Conventional Barbed Wire is manufactured from thicker wires compared to the reverse twist type. It is primarily used for field applications to protect against animal intrusion.



Conventional Barbed Wire



Reverse Twist Barbed Wire

Product Standart EN 10223-1

Reverse Twist Barbed Wire

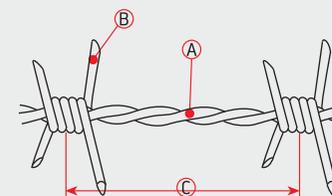
Line Wire Diameter	Barb Wire Diameter	Distance Between Barbs	Roll Weight	Roll Length
Ⓐ 1,50 mm	Ⓑ 1,40 mm	Ⓒ 100 mm	9-10 kg	250 meters
Ⓐ 1,70 mm	Ⓑ 1,50 mm	Ⓒ 100 mm	12-13 kg	250 meters
Ⓐ 1,80 mm	Ⓑ 1,80 mm	Ⓒ 100 mm	16-17 kg	250 meters
Ⓐ 2,00 mm	Ⓑ 2,00 mm	Ⓒ 100 mm	19-20 kg	250 meters

Conventional Barbed Wire

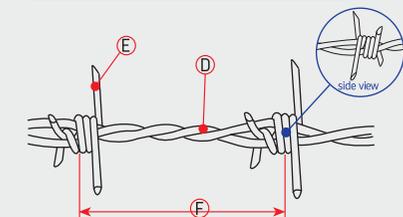
Line Wire Diameter	Barb Wire Diameter	Distance Between Barbs	Roll Weight	Roll Length
Ⓓ 2,50 mm	Ⓔ 2,15 mm	Ⓕ 75 mm	20-22 kg	Approximately ~165 meters

TECHNICAL SPECIFICATIONS

reverse twist barbed wire



conventional barbed wire



Note: Wire diameters and roll lengths can be changed according to customer request.

BLACK ANNEALED WIRES

Black Annealed Wires are heat-treated wires manufactured from cold drawn wires. The heat treatment process allows the wire to become softer and suitable for tying applications. The most common use of black annealed wire is for rebar binding in construction.

TECHNICAL SPECIFICATIONS

Product Standart	EN 10218
Diameter Range	1.20 - 8.00 mm
Tensile Strength	300 - 400 N/mm ²
Coil Weights	10 - 40 kg (1.20-2.50 mm) 50 - 500 kg (1.20-8.00 mm)
Coil Int/Ext Dia	200 / 400 mm (10 - 40 kg Coils) 400 / 750 mm (50 - 500kg Coils)

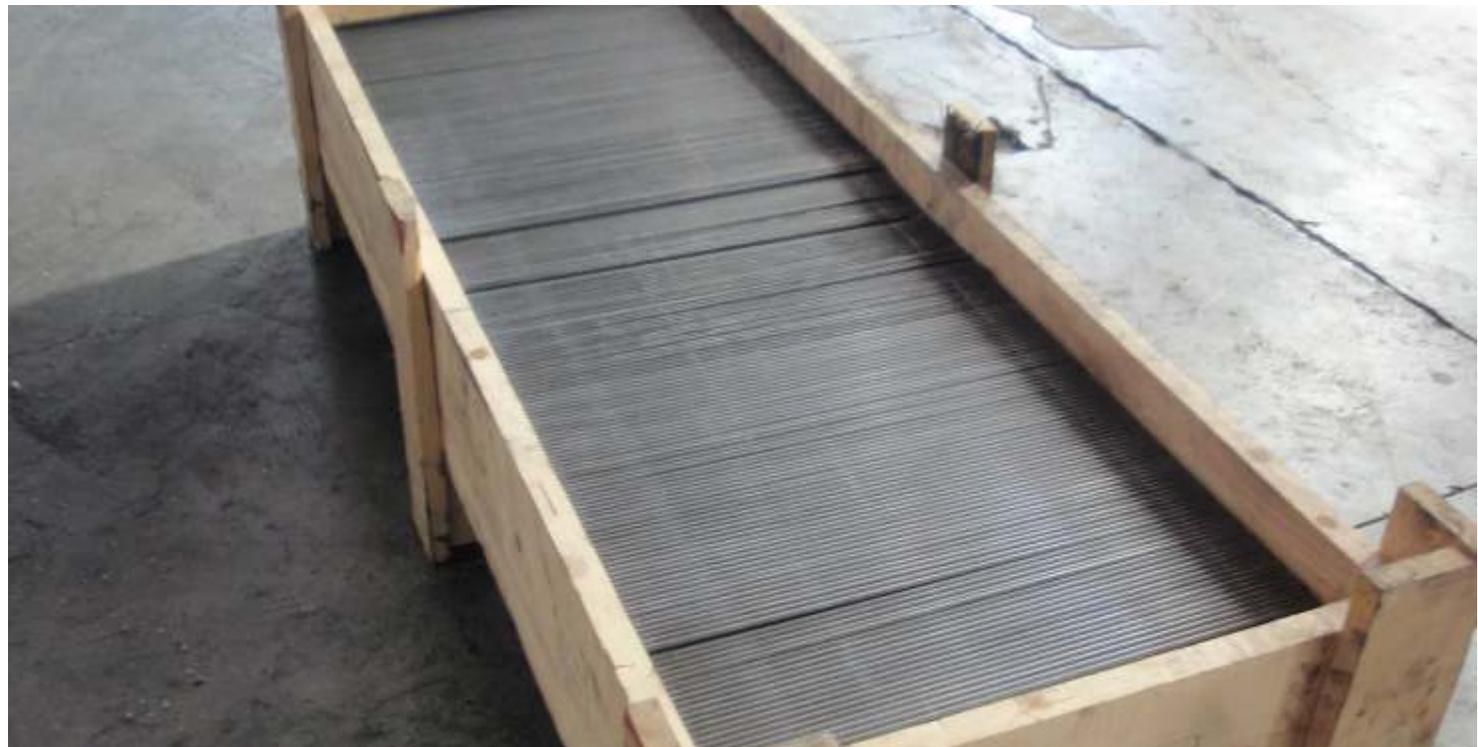
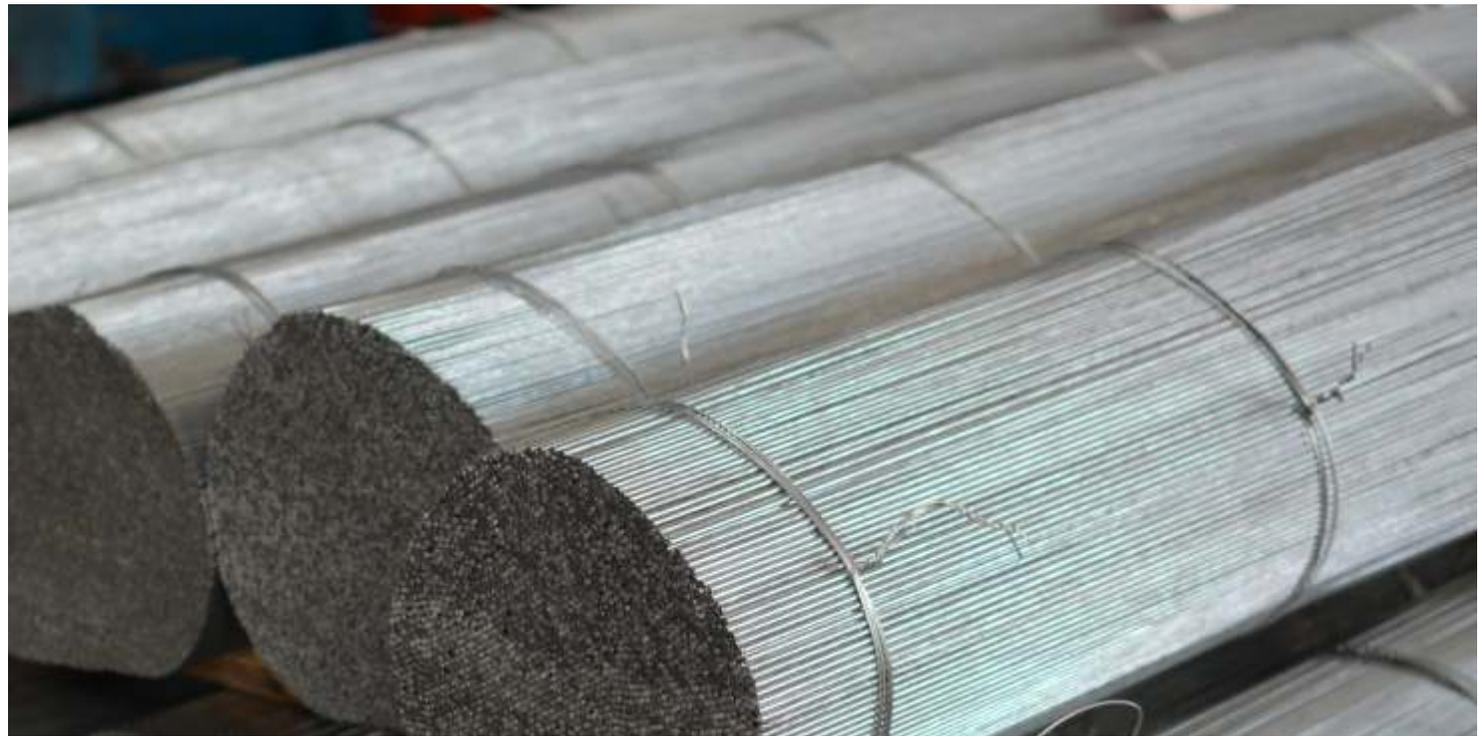


CUT WIRES

Cut wires are straight wires with custom lengths tailored to the clients requests. Primo Metal offers cold drawn, galvanized, or black annealed wires that are straightened and cut.

TECHNICAL SPECIFICATIONS

Product Standart	EN 10218 + EN 10244-2
Diameters	3.00 - 8.00 mm
Wire Type	Galvanized, Cold Drawn or Black Annealed
Tensile Strength	400 - 800 N/ mm ²
Bundle Weight	1000 - 2000 kg
Packing Type	In Wooden Boxes On Wooden Blocks
Raw Material	SAE 1006 - 1008 - 1010
Field of Application	Welded Mesh Production Panel Fence Production Framework for Greenhouses



BALE WIRES (OILED)

Oiled bale wires are utilized for baling applications involving hay and waste materials such as cartons, papers, plastics, and metals. The quality of our raw materials ensures a trouble-free twisting operation at the end of the bales.

TECHNICAL SPECIFICATIONS

Diameters	1.80 - 4.00 mm
Tensile Strength	300 - 400 N/ mm ²
Coil Weights	40 - 50 kg or 300 - 700 kg Rosette Coils
Coil Int/Ext Dia	200 / 350 mm (Small Coils) 450 / 800 mm (Rosette Coils)
Raw Material	SAE 1006 - 1008
Field of Application	Waste Carton Bales Waste Plastic Bales Waste Metal Bales Hay Bales



COMMON NAILS

Common Nails are preferably used on wood. They are most used for wooden molds for concrete. Our standard production ranges from 6 to 15 cm in length with a diameter of 2.70 to 4.50 mm respectively. The heads of our nails are produced as a flagged type to prevent sliding during hammer strikes. We package our nails in 5 to 25 kg carton boxes on pallets for easy handling by workers.

TECHNICAL SPECIFICATIONS

Length of Nails	5 - 20 cm
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Diameter of Nails	2.50 - 5.00 mm
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Packing 5 kg or 25 kg Carton Packs covered with Nylon	
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PVC COATED WIRES

PVC coated wires are coated using a plastic extrusion method. The purpose of PVC coating is to extend the service life of the wire against oxidation. The most common applications are for chain link fencing and barbed wire production.

TECHNICAL SPECIFICATIONS

Product Standart	EN 10245-2
Pvc Coated Dia. Range	3,00 - 5.00 mm
Coating Thickness	1.00 mm
Tensile Strength	400 - 550 N/mm ²
Coil Weight	100 - 750 kg
Coil Dimensions/In-Out	450 - 800 mm

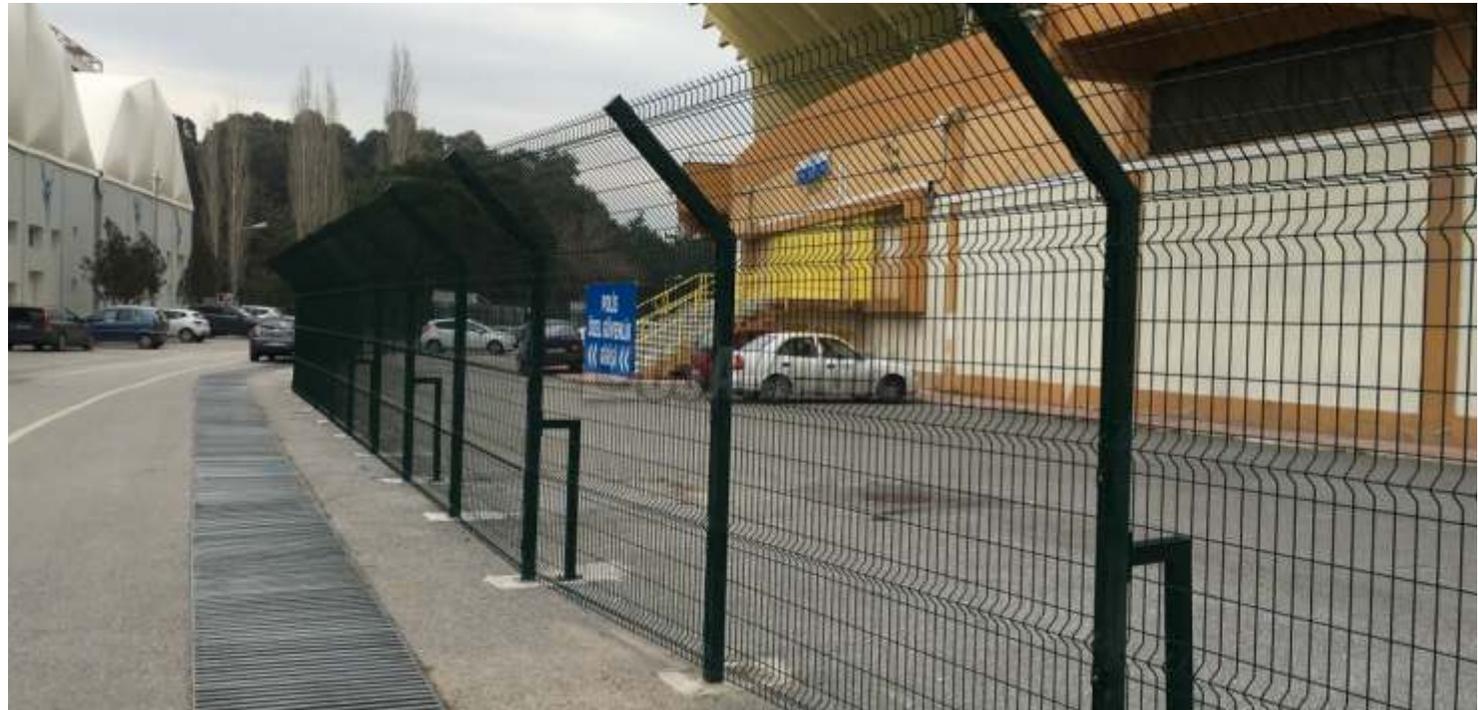


PANEL FENCES

There are several types of Panel Fences, such as single wired, double wired, or security fences. These products can either be manufactured from Hot Dip Galvanized Wires or from Cold Drawn Wires according to customer request. Fences manufactured from cold drawn wires can also be zinc coated afterward with heavy zinc coating for aggressive environmental influences. Our products are manufactured with high-quality wires that undergo a hot dip galvanization process and then receive an electrostatic coating. We provide a complete package of products with posts and accessories included.

TECHNICAL SPECIFICATIONS

Fence Types	Single / Double / Security
Diameter Range	3.50 - 8.00 mm (-/+0.10 mm)
Core Wire	Hot Dip Galvanized Wire (Zn:60 gr/m2)
Height	Max.600 cm
Width	Max.300 cm
Painting	Electrostatic Powder Painting or PVC
Posts	50x50 mm, 60x60 mm, 40x60 mm
Mesh Size	5x15 cm or 5x20 cm
Wires on Bends	Single or Double



GRASS FENCES

Grass fences appear like natural plants, but unlike natural plants, grass fences are made of UV protected and non-flammable plastics that can last for years without fading or deforming. They also offer a great advantage of blocking the view from the other side, ensuring privacy and security. Grass fences are ideal for creating a natural-looking and elegant boundary around your property.



TECHNICAL SPECIFICATIONS

Diameter	1.60 x 1.60 mm (-/+0.05 mm)
Tensile Strength	400 - 500 N / mm ²
Zinc Coating	Min.50 gr / m ²
Colour	Green Black – Anthracite (UV Protection)
Mesh Size	42 x 42mm / 48 x 48mm (-/+3mm)
Roll Length	5 or 10 Meter



HEXAGONAL MESHES

Hexagonal meshes, due to their physical properties, are mechanically more resistant compared to their counterparts. They are manufactured from hot dip galvanized wires. These fences can be manufactured with different mesh sizes, diameters, and heights according to customer request. Standard products are:



TECHNICAL SPECIFICATIONS

Wire Diameter	0.60 – 1.00 – 1.40 – 1.60 – 2.00 mm
Mesh Size	2" – 3"
Length of Rolls	20 meter
Height of Rolls	1.00 – 1.20 – 1.50 – 1.80 – 2.00 meter



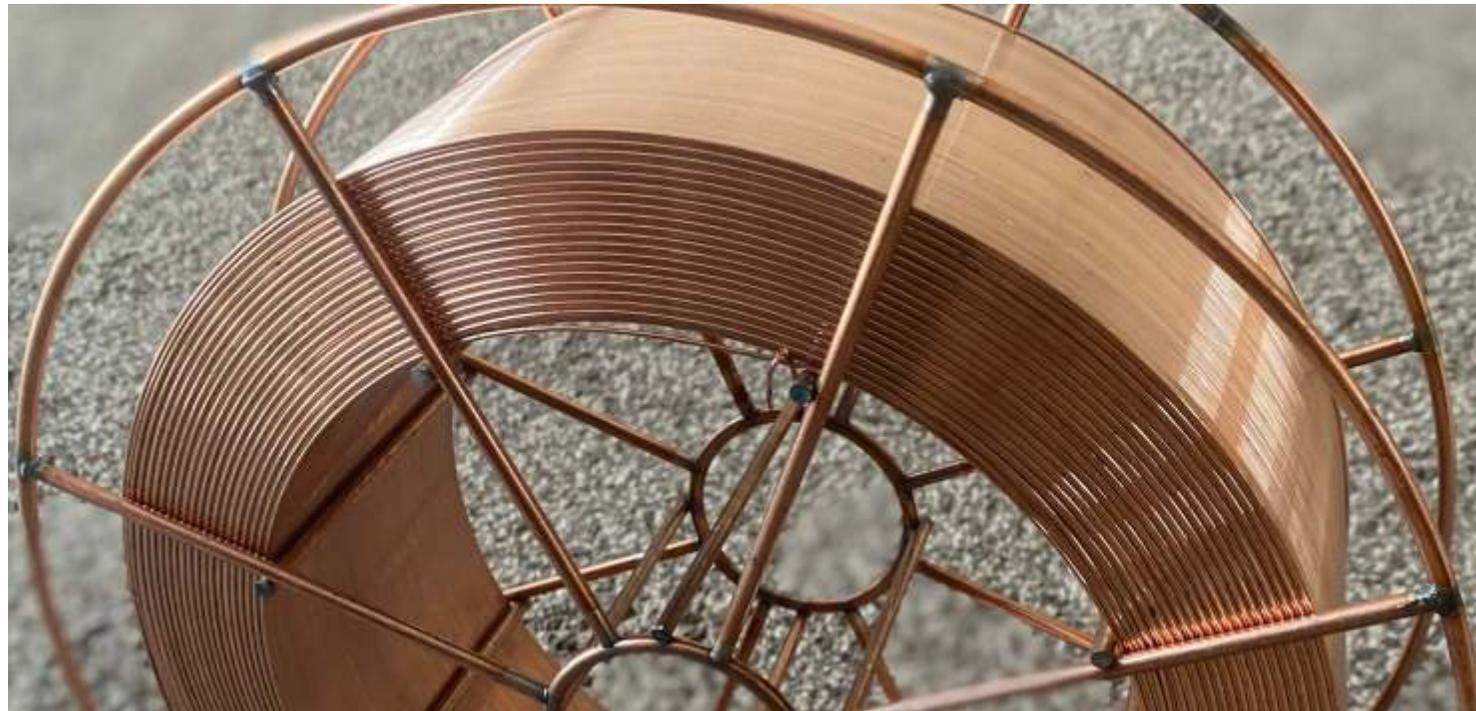
WELDING WIRES

Welding wires are specialized tools used in the welding process to join metal parts together. They are used as a filler material that melts during welding to form a strong bond between the workpieces. Their field of application is extensive, including automotive industry, construction of buildings and bridges, shipbuilding, and manufacturing of metal products.

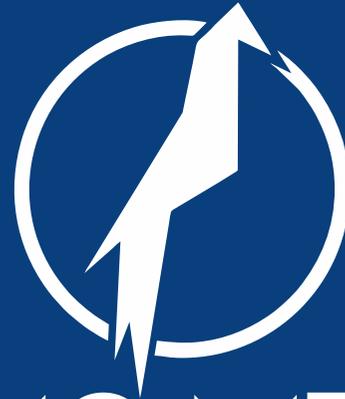


TECHNICAL SPECIFICATIONS

Wire Diameter	0.80 - 1.00 - 1.20 - 1.60 mm
Coil Weight	5 kg or 15 kg
Coil Winding	Linear or Random
Packing	Metal or Plastic Spools



YOUR SUCCESS IS BORN HERE



PRIMO METAL
WIRES & FENCES



Ramazanođlu Mah. Sanayi Cad. No: 44 Kurtky Sanayi Sitesi C Blok D.15 Pendik İstanbul, Turkey

PHN: +90 544 344 7435

www.primometal.com • info@primometal.com