



BUILDING MATERIALS



POLADIS

SAKHLI

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ABOUT US

“Poladis Sakhli”-one of the leading companies in the construction industry has been successfully positioned among the distributors of metal products for 20 years.

To date, the main activities of the company include the local production of construction materials and the import of metal products. The company cooperates with leading manufacturers in Europe and Asia allowing for a wide range of materials and a high quality index, which fully complies with international standards in the field of construction.

The products of the “Poladis Sakhli” which are produced in an enterprise equipped with modern high-tech equipment, help the construction sector to save financial, human, and time resources.

The company is represented in the market with four branches with a distinctive concept, whereby customers can buy both construction and repair materials in one space: decoration, plumbing, furniture, tools, wood materials, electricity material, etc.

With its approach, quality, and innovative products, “Poladis Sakhli” has established lasting long-term relationships with customers, whose satisfaction constantly remains a priority for the company.

STEEL

Reinforcement bars



Reinforcement bars are used in reinforced concrete structures. It increases the strength of concrete, strengthens the construction, and prevents the appearance of cracks in the concrete.

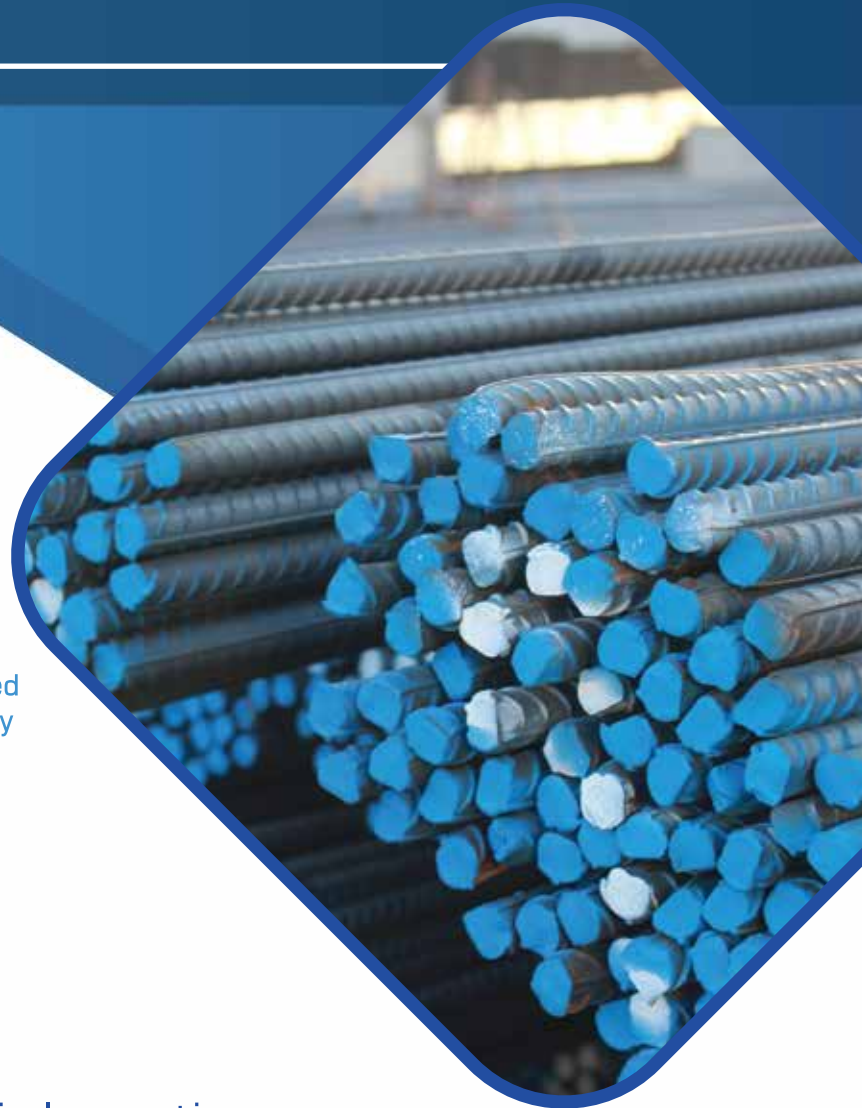
The mechanical properties and chemical composition of the reinforcement must comply with the established standards, as the quality of the reinforcement directly affects the rigidity of the building

Applications:

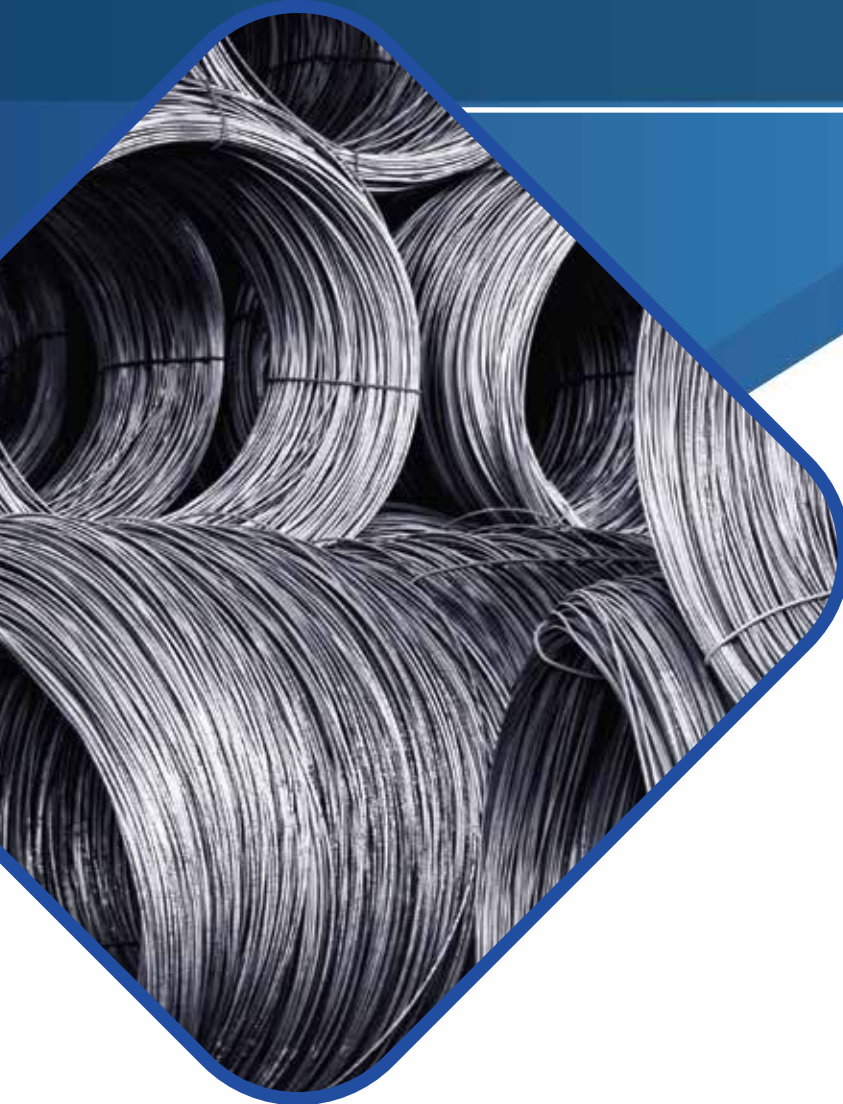
- Manufacture of monolithic reinforced concrete structures;
- Construction of tunnels and bridges;
- Wall reinforcement;
- Making bar mats;
- Floor reinforcement;
- Making frames;
- Formworks.

Technical properties:

- Diameter: 8 - 32 mm;
- Length: 12 m;
- Brand: B500B, B500C.



WIRE ROD



Wire rod has a wide range of applications. It is used both in construction and in the production of various products. Various types of wire, as well as cold-rolled bars, can be obtained by processing wire rods.

Applications:

- Collars for molding;
- Manufacture of various metal products (wire, nail, electrode, cold-rolled bars, etc.);
- Also used as a fastening material;
- Reinforced concrete structures.

Technical properties:

- Diameter: 5.5 - 10 mm;
- Shape: curled, straightened.

METAL MESH



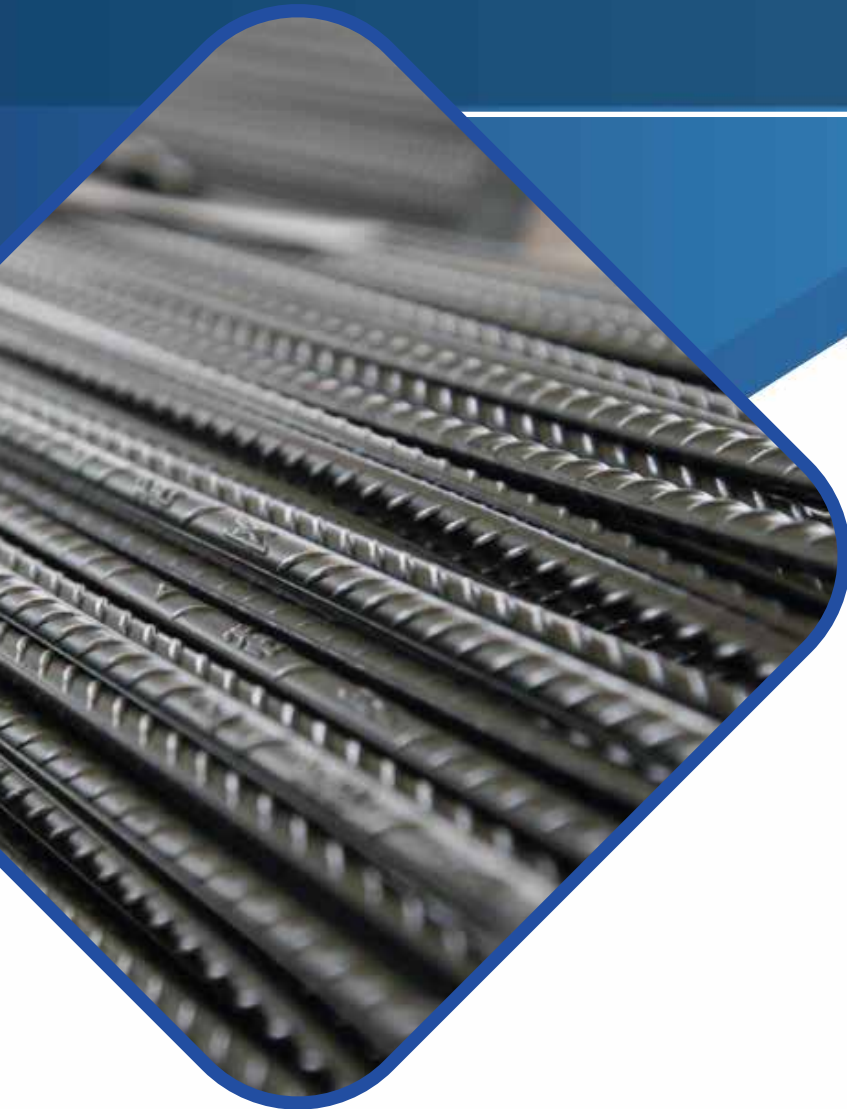
Metal mesh is used in monolithic construction, as well as making frames and molds during reinforcement works.

Technical properties:

- Mesh width: 2000 mm - 2400 mm;
- Mesh length: 2000 mm - 6000 mm;
- Material: 4-12 mm reinforcement;
- Square dimensions: 50 * 100 - 300 * 300 mm.



COLD-ROLLED BAR



Cold-rolled bar is distinguishable by the top mechanical properties, it has a clean surface and sharply pointed screws. Unlike hot-rolled fittings, cold rolling technology allows obtaining small diameter fittings such as 4mm, 5mm, and 6mm.

Applications:

- Manufacture of monolithic reinforced concrete structures;
- Wall reinforcement;
- Floor reinforcement;
- Welded mesh.

Technical properties:

- Length: 2 m-6 m;
- Diameter: 4 mm-8 mm.

METAL VINEYARD POLES



Stainless metal vineyard poles are produced from high-quality galvanized sheets, which are characterized by many years of durability and anti-corrosive properties. Easy to ship as well as easy to use.

Applications:

- Metal poles are used to arrange vineyard rows;
- To arrange fences.

Technical properties:

- Thickness-1 mm -2 mm;
- Length 2 m-3 m
(depending on the customer preference).



Complete set: support pole, middle pole, minor pole.
Zinc-coated wire, support pole clamp

GYPSUM-CARDBOARD ACCESSORIES



Gypsum-cardboard accessories comprise CD and UD profiles, ceiling and partition profiles CW and UW angle bar, Screed strip, Buckle.

Applications:

- Used in suspended ceiling and wall reverting constructions.

Technical properties:

- UD profiles: 27 * 28 * 27 mm;
- CD profiles: 27 * 60 * 27 mm;
- Protective angle 0,35 * 23 * 23 * 3000;
- Screed strip 6 mm thick;
- Buckles from 7 cm to 40 cm length choice;
- CW - 35 * 73 5 * 35;
- UW - 30 * 75 * 30.

METAL PROFILES



Metal profiles - Stainless metal profiles are produced from high-quality galvanized sheets.

Applications:

- Metal profiles are used in metalloplastic doors and windows to strengthen
- the plastic profiles of different complexity.

Technical properties:

- Thickness: 0.7 mm-1.2 mm;
- length 3 m-6 m.



SQUARE PIPE



Square pipe belongs to the category of structural iron. It is used to make structures of any shape. The square tube varies according to the size of the sides and the thickness of the wall.

Applications:

- Constructions of farms and warehouses;
- Advertising banners;
- Garages;
- Pavilions;
- Greenhouses;
- Roofs;
- Railings;
- Gates;
- Doors;
- Furniture.

Technical properties:

- Dimensions 10 * 10 * 1– 300 * 500 * 16mm;
- Total length: 6m; 12m.

ROUND TUBES



There are several types of round tubes: straight-seamed, spiral and seamless. It is based on these characteristics that the field of its application is determined. Seamless pipe is used at high pressure. The seamed pipe is mainly used for construction.

Applications:

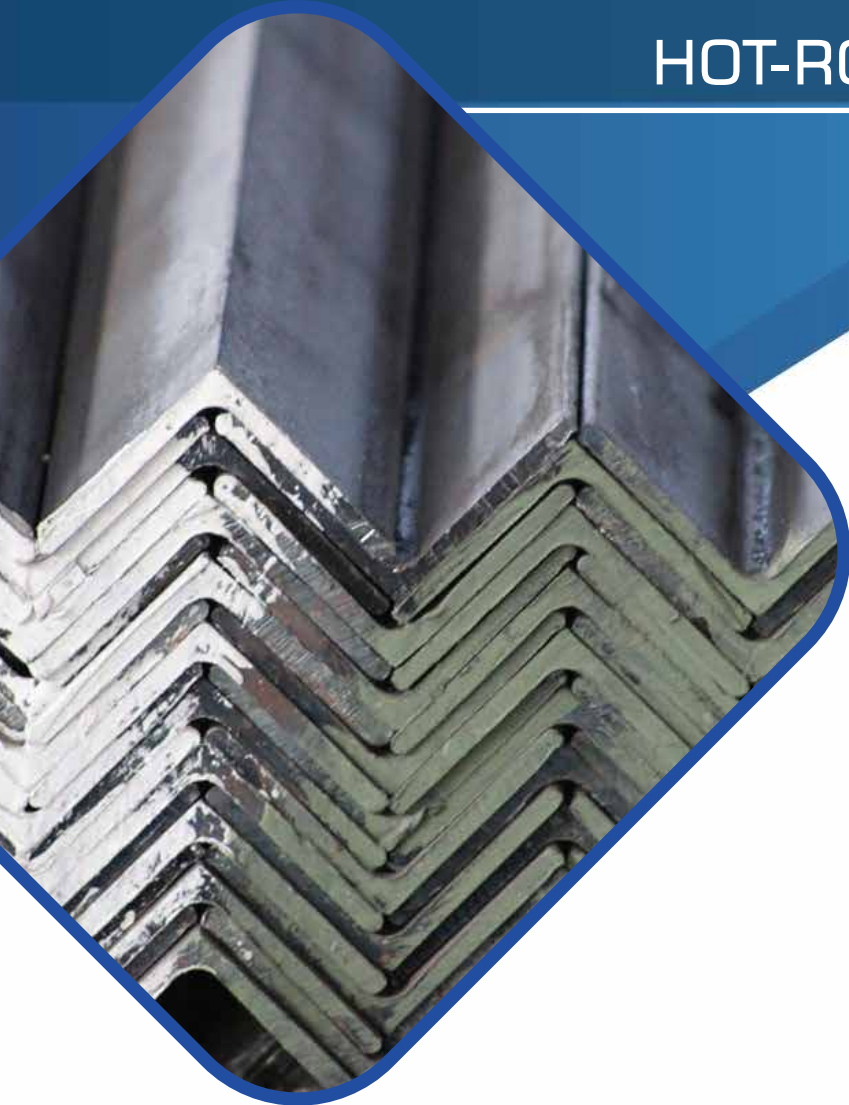
- Lighting poles;
- Transportation of water, gas, and liquid products;
- Construction;
- Railings;
- Furniture.

Technical properties:

- Total length: 6 m; 12 m;
- Dimensions: 16 * 0.9 -300 * 26 mm



HOT-ROLLED STEEL ANGLE BAR



Hot-rolled steel angle bars are mainly used as a structural element in construction and metal constructions. They are also often used in interior design. Angle bars are of two types, equilateral and non-equilateral.

Applications:

- Manufacture of metal structures;
- Construction;
- Shelves;
- Fences;
- Doors;
- Grilles.

Technical properties:

- Dimensions - 20 * 20 * 2-300 * 300 * 30 mm;
- Total length: 6 m, 12 m.

A HOT-ROLLED STEEL CHANNEL



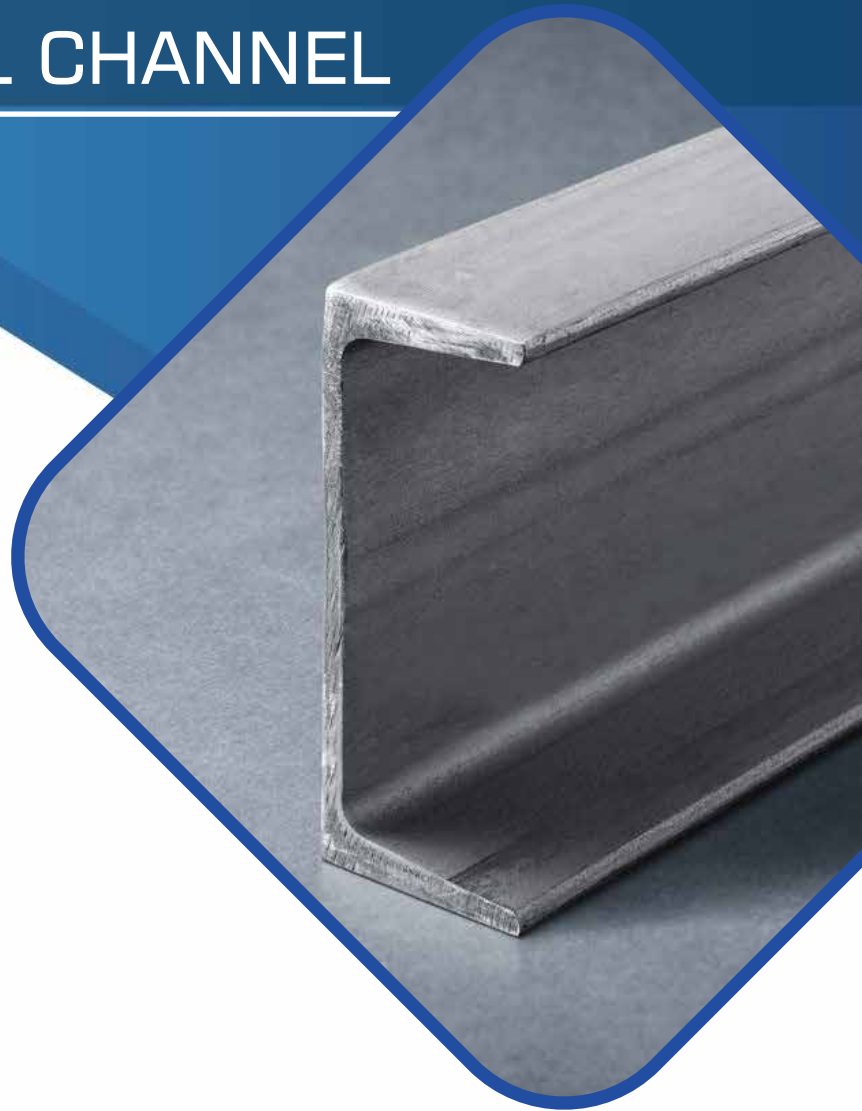
A hot-rolled steel channel is ideal for making any kind of metal construction. Due to its shape, the material can withstand high loads, both vertically and horizontally. It is easy to cut and weld. According to the shape of the flanges, channels come in two types: parallel and tapered.

Applications:

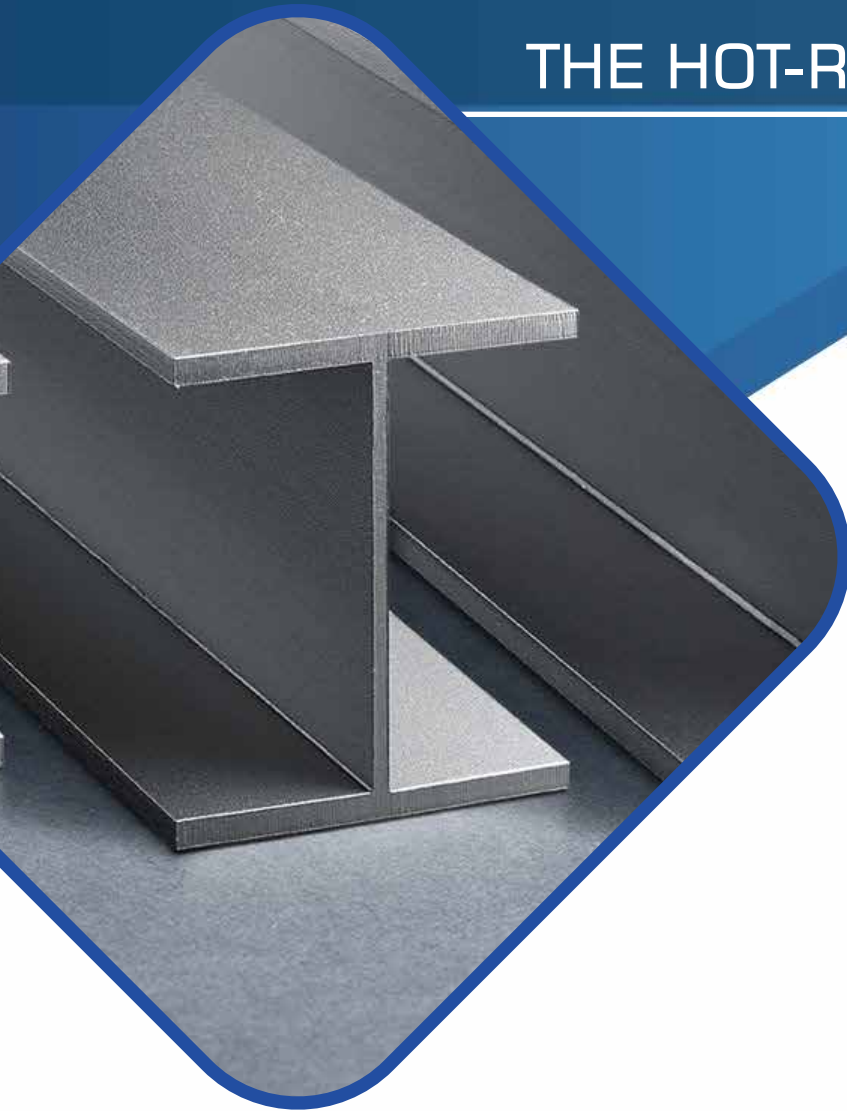
- Manufacture of crane structures;
- Farm and warehouse constructions;
- Construction of bridges;
- Supporting columns;
- Construction of houses;
- Doors.

Technical properties:

- Dimensions: 5-40 cm;
- Total length: 6 m, 12 m.



THE HOT-ROLLED DOUBLE - T BEAM



The hot-rolled double-T beam can withstand high loads, both horizontally and vertically.

There are two types of double-T beams:

1. The width of the flanges is less than the connecting partition
2. The width of the flanges is equal to the partition or the so-called "wide-shelved" beam. The double-T beams are mainly used in the construction of structures as a supporting element.

Applications:

- Support for heavy constructions;
- Construction of houses;
- Construction of bridges;
- Supporting columns;
- Warehouses.

Technical properties:

- Total length: 6 m; 12 m;
- Size: 8 - 100 cm.

MASSIVE STRIP OF STEEL



A massive strip of steel (i.e. flat steel) is used to make balconies, railings, various types of constructions, and furniture. Due to the mechanical properties of the material, it can be easily processed by both hot and cold methods.

Applications:

- Frame constructions;
- Railings;
- Grilles;
- Fences;
- Railing;
- Doors;
- Furniture;
- Grilles.

Technical properties:

- Dimensions - 10*3 - 400*50 mm;
- Total length: 6 m.



MASSIVE SQUARE OF HOT-ROLLED STEEL



A massive square of hot-rolled steel is widely used in industry, the manufacture of machinery, and also in interior design for decorative purposes. Due to the mechanical properties of the material, it is easy to process.

Applications:

- Grilles;
- Production of machinery;
- Railings;
- Doors.

Technical properties:

- Dimensions - 8*8 - 80*80 mm;
- Total length: 6 m; 12 m.

MASSIVE ROUND STEM OF STEEL



Massive round stem of steel. Due to the specification of the material, it is easy to process and shape. It fully retains mechanical properties during use. Large-sized stems are used to make hinges and to forge machinery details.

Applications:

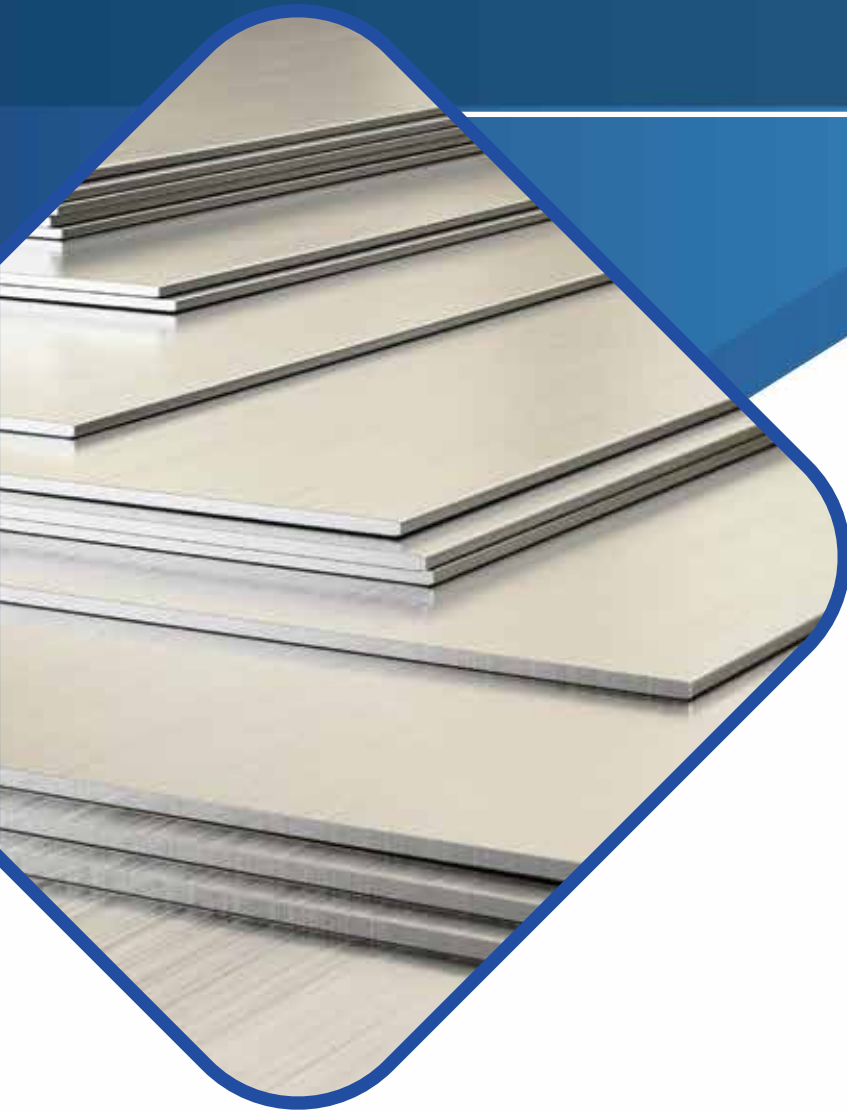
- Production of machinery;
- Hinges;
- Construction.

Technical properties:

- Diameter: 10 - 350 mm.



METAL SHEETS



According to manufacturing technology, there are two types of metal sheets: cold-rolled and hot-rolled. Cold-rolled material mainly consists of sheets that are one millimeter and less in thickness. Metal sheets are used to make fences, doors, gates, bridges.

Applications:

- Piling rings;
- Containers;
- Construction of bridges;
- Stoves;
- Fences;
- Tanks;
- Doors.

Technical properties:

- Dimensions - 0,5*1000*2000 - 100*1500*6000 mm

ROUGH METAL SHEET



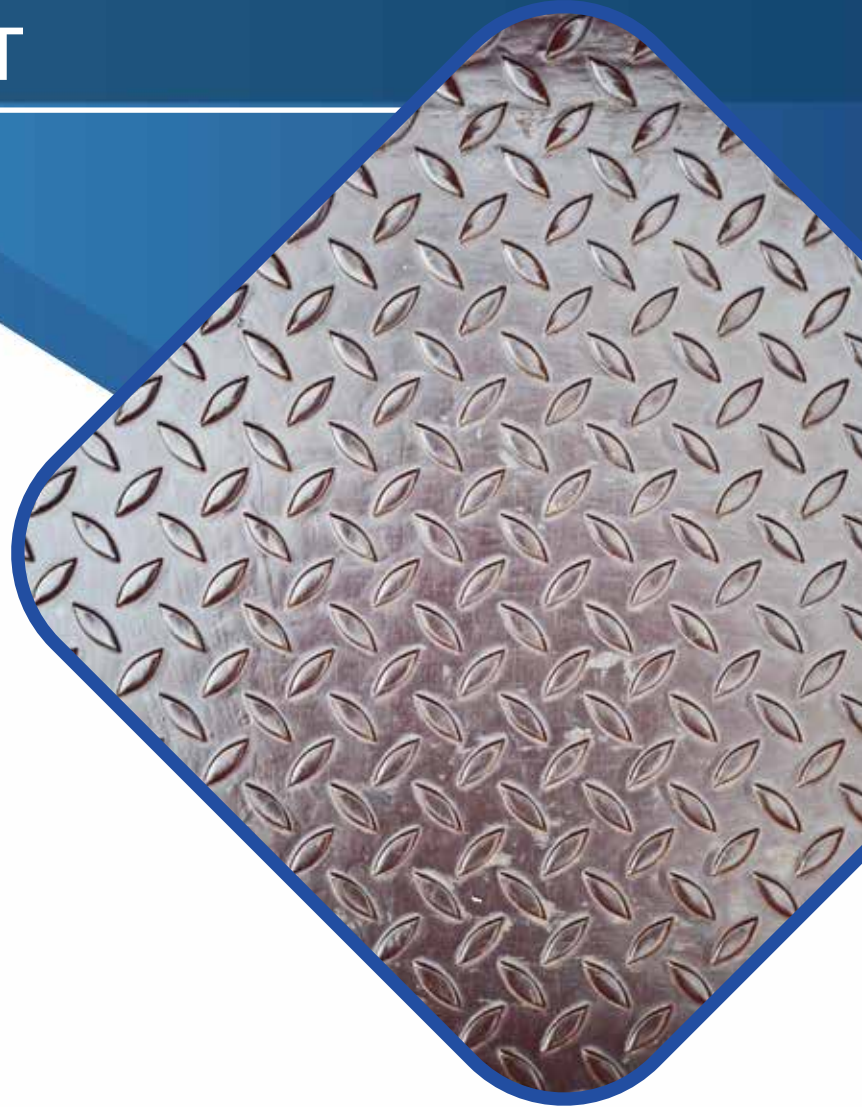
Rough metal sheet: The surface of the material is not smooth and it is this characteristic that determines its application. Due to the protrusions made on the metal sheet, it is mainly intended for making the surface of stairs and metal bridges.

Applications:

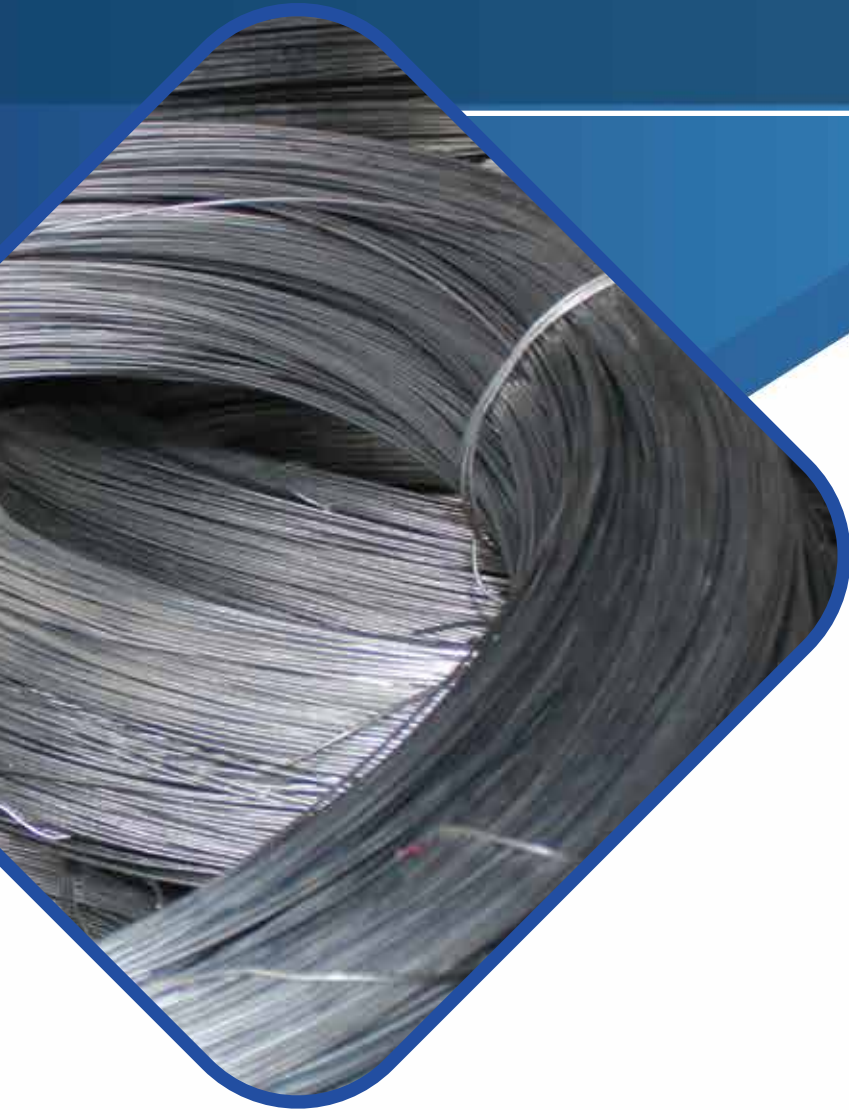
- Stairs;
- Construction of bridges.

Technical properties:

- dimensions - 2*1250*2500 - 12*1500*6000 mm.



GALVANIZED WIRE



Hot-rolled galvanized wire, with high resistance to harsh environmental conditions. During the production process, the material undergoes constant quality control and is thus in full compliance with international standards.

Applications:

- Agricultural industry and technologies (mainly for vineyards);
- Production of industrial fences and nets;
- Greenhouses.

Technical properties:

- Diameter: 2-5 mm;
- Weight of the helix: 50-300 kg.

GALVANIZED BARBED WIRE



High-quality, galvanized barbed wire.

Applications:

- Agricultural industry;
- Fencing of perimeters.

Technical properties:

- Diameter: 1.8-2.5 mm;
- Weight of the helix: 20-26 kg.



REINFORCEMENT WIRE



The reinforcement wire are firmly attached with fired wire to attain a strong and reliable frame.

Applications:

- monolithic construction

Technical properties:

- diameter: 1.2 - 5 mm;
- coil weight:
 - small diameter - 15 -20 kg;
 - medium diameter - 40-60 kg;
 - large diameter 90-100 kg

BLACK WIRE



Black wire is used to produce wire fences and barbed wire.

Applications:

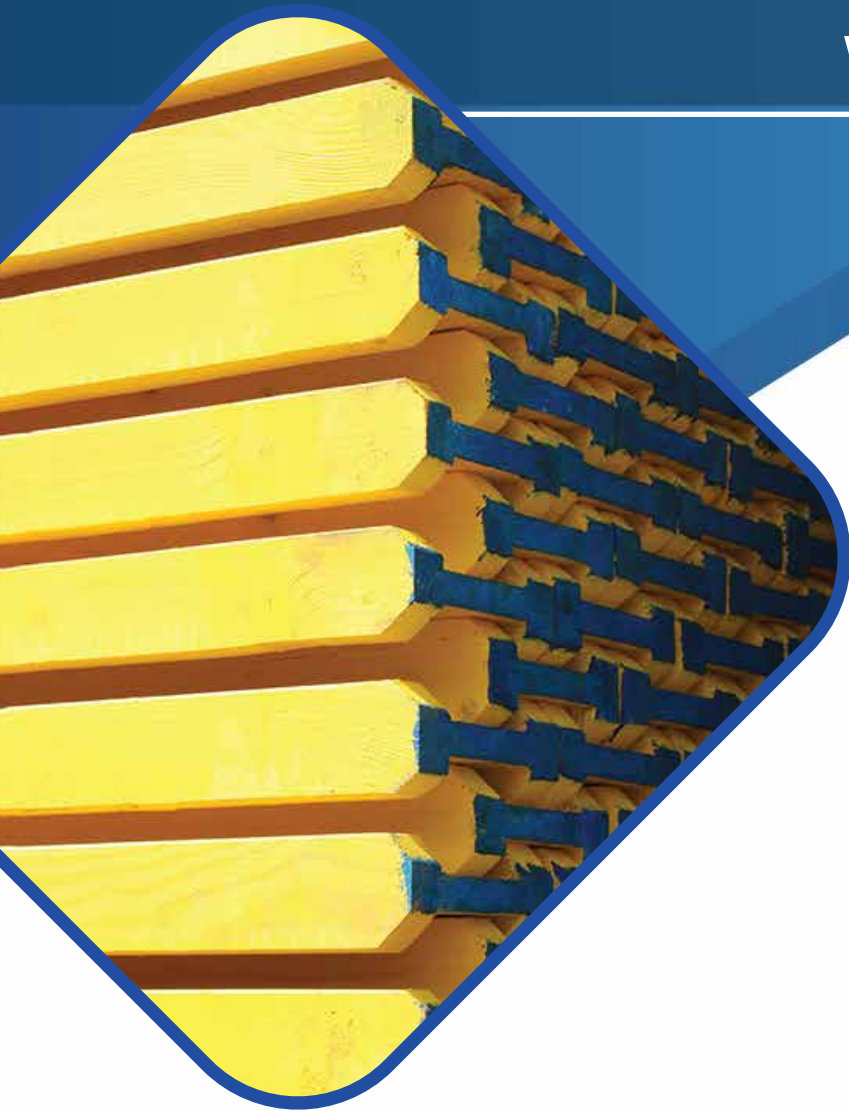
- Production of nets

Technical properties:

- Diameter: 1.5-5 mm;
- coil weight: 20 kg, 50 kg and 100 kg.



WOODEN MAIN BEAM



Durable and high-bearing construction wooden main beam is one of the main elements of the formwork system. The lightness of the material and its reusability simplify the construction process.

Applications:

- Monolithic construction;
- Formwork constructions.

Technical properties:

- dimensions - 3000*200*80 mm.

CONSTRUCTION BRACE



The construction brace is a supporting element of the formwork system in monolithic construction. Thanks to its simple construction, it is easy to install and dismantle, it is also possible to adjust its height.

Applications:

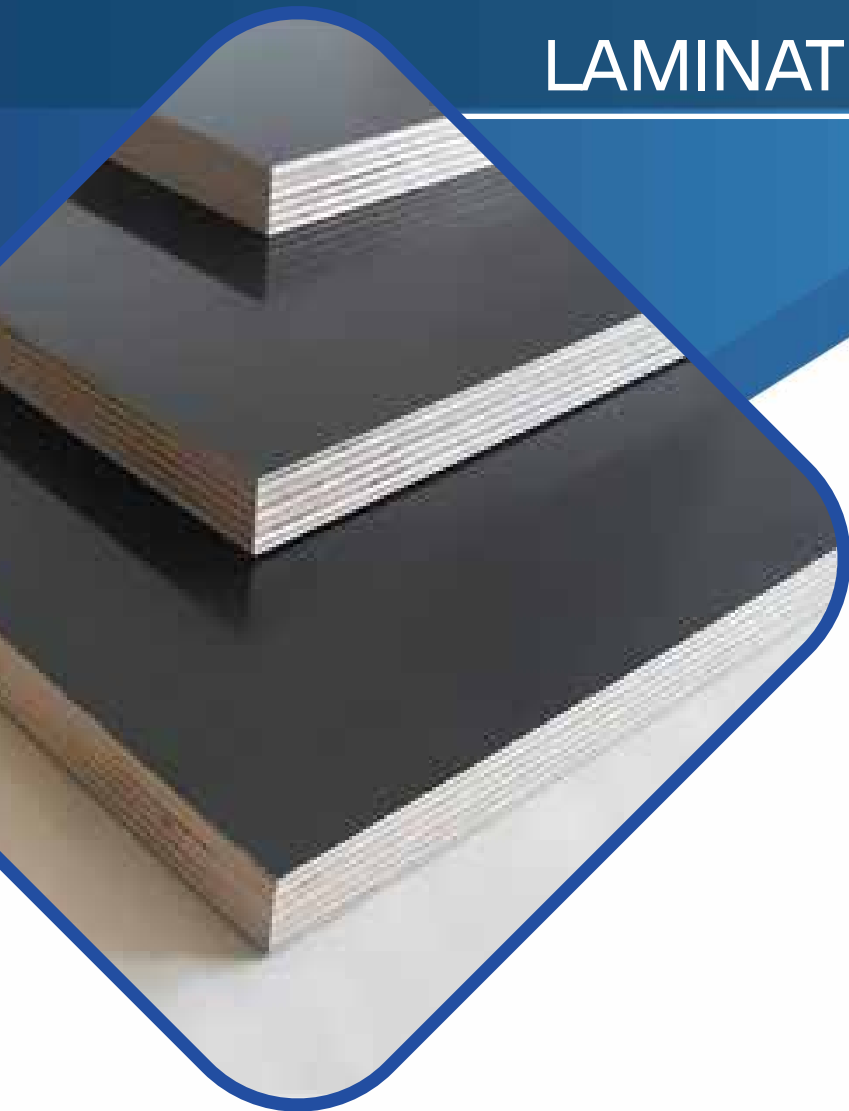
- Monolithic construction;
- Formwork constructions.

Technical properties:

- Dimensions - 3-5 m.



LAMINATED MOLDED PLYWOOD



Laminated molded plywood.
Used in monolithic construction while handling concrete. Durable material, resistant to water impact and temperature variability. These properties make the material durable and reusable.

Applications:

- Monolithic construction;
- Roofing tiles;
- Columns;
- Diaphragm molds;
- Molding constructions.

Technical properties:

- plywood size: 1220*2440 mm;
Plywood thickness: 18 mm

ORIENTED STRAND BOARD OSB-3



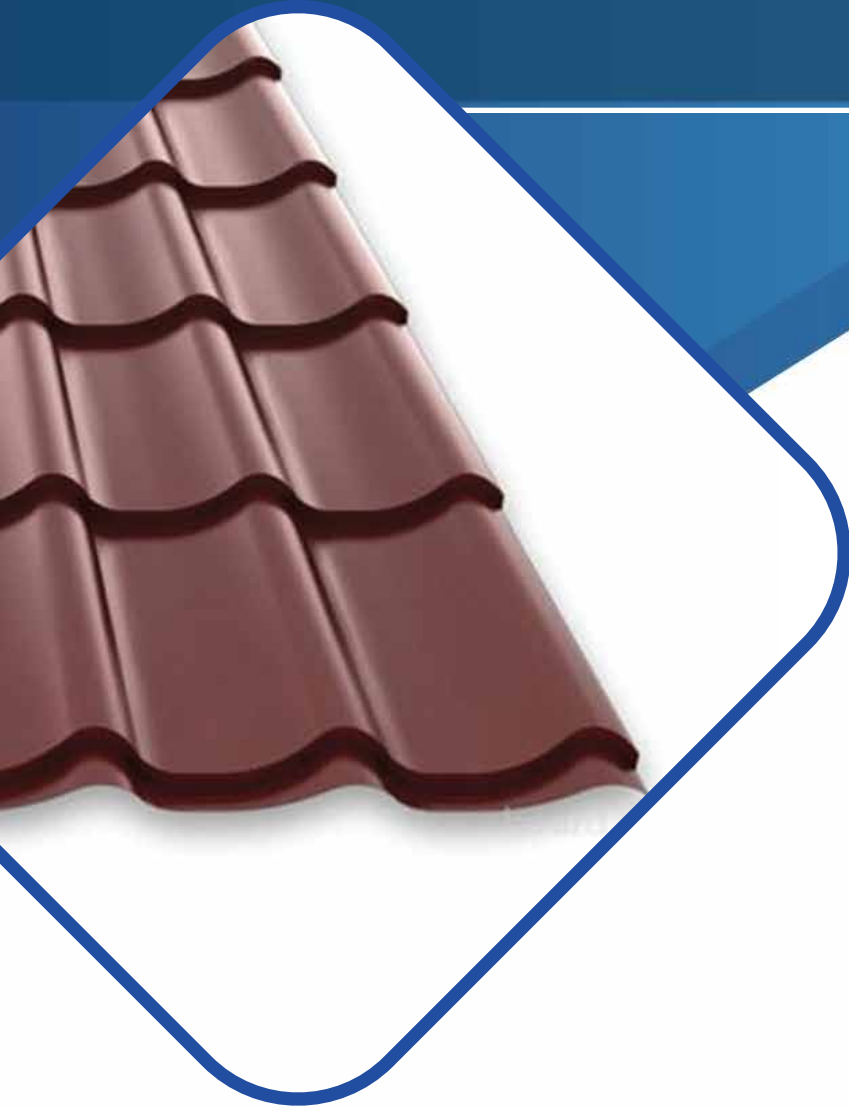
Oriented Strand Board OSB-3. Ecologically clean, moisture-resistant material for roofing, wall, and floor coverings.

Technical properties:

- Length / width: 2500*1250 mm;
- Thickness 9 mm; 10 mm; 12 mm; 15 mm; 18 mm;
- Boards of more than 3-4 layers;
- Consists of 90% wood material (thin swarf), synthetic mixture, and boric acid.



METAL TILE ROOF



Due to its classic shape, the metal tile roof is ideal for roofing any type of building. The roof is made of galvanized metal sheets covered in high-quality paint. The material is resistant to both mechanical and natural impacts.

Technical properties:

- width: 1.12 m;
Thickness: 0.4; 0.45; 0.5 mm;
Surface: Glossy / smooth.

CORRUGATED DECK



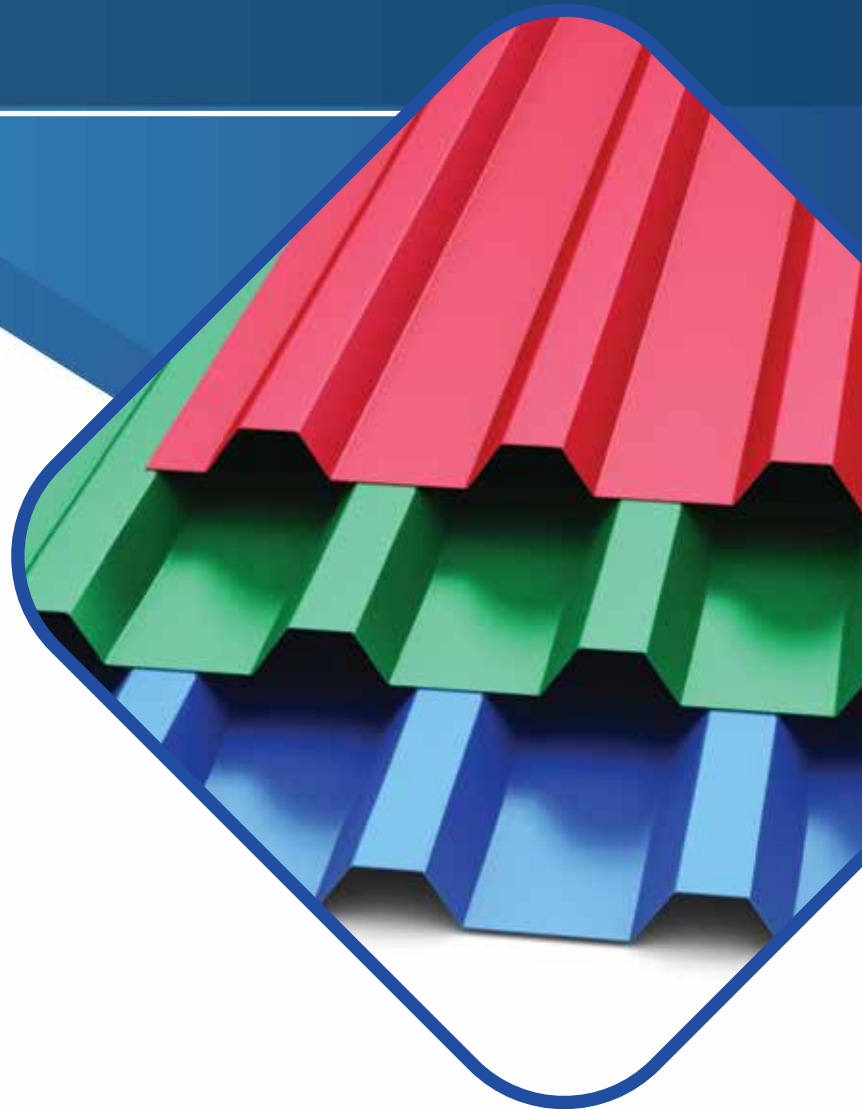
POLADIS

SAKHLI

Corrugated deck roofing due to its shape, is mainly used for warehouses, agricultural buildings, garages, and penthouse roofs. The roof is made of both painted and galvanized sheet metal. The material is resistant to both mechanical and natural impacts.

Technical properties:

- cullis height 20 mm - width: 1.18 m;
- cullis height 24 mm - width: 1.11 m;
- cullis height 28 mm - width: 1.05 m;
- Painted material thickness: 0.4; 0.45; 0.5 mm;
- Thickness of galvanized material: 0.30; 0.35;
0.4; 0.45; 0.5 mm;
- Surface: Glossy / smooth



WELDING ELECTRODE



Welding electrode is used for welding different markings of steel. The material can be used on both AC and DC power welding machines.

Applications:

- Metalworking

Technical properties:

- Stem length: 350 mm;
- Diameter: 2.5 mm; 3.2 mm; 4 mm;
- Package Weight: 5 kg

STRUCTURAL FASTENERS



Nut, bolt, gasket

Applications:

- Metalworking

Technical properties:

- Hardness: 8,8 -10,9;
- Length from 50 mm to 200 mm;
- Diameter: 12 mm to 42 mm



METAL CUTTING DISC



Titanium metal cutting disc

Technical properties:

- dimensions:
1,15*1,0*22 - 400*4,0*32 mm

CONSTRUCTION NAIL



Construction nail

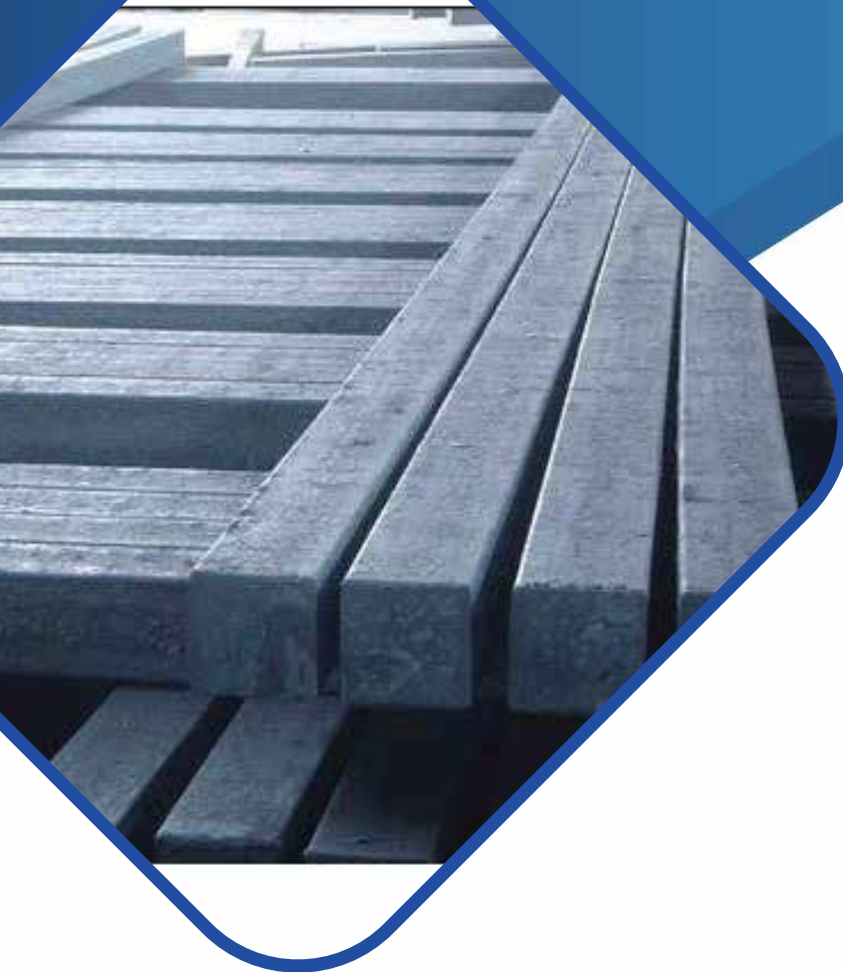
Technical properties:

- diameter: 1,25-6 mm;
- Length: 25-200 mm;
- Material: Steel



SEMI-FINISHED CASTING PRODUCTS

BILLETS AND SLABS



Semi-finished casting products are intermediate castings produced in a steel mill that need further processing before being finished goods. A billet is a length of metal that has a round or square cross-section.

Billets are further processed via profile rolling and drawing. Final products include bar stock and wire.

A slab is a length of metal that is rectangular in cross-section. The slab is created directly by continuous casting or indirectly by rolling an ingot on a slabbing mill. Slabs are usually further processed via flat rolling, skelping, and pipe rolling. Common final products include sheet metal, plates, strip metal, pipes, and tubes.

Technical properties:

- Grades :
3sp- st 37
5sp- st 52

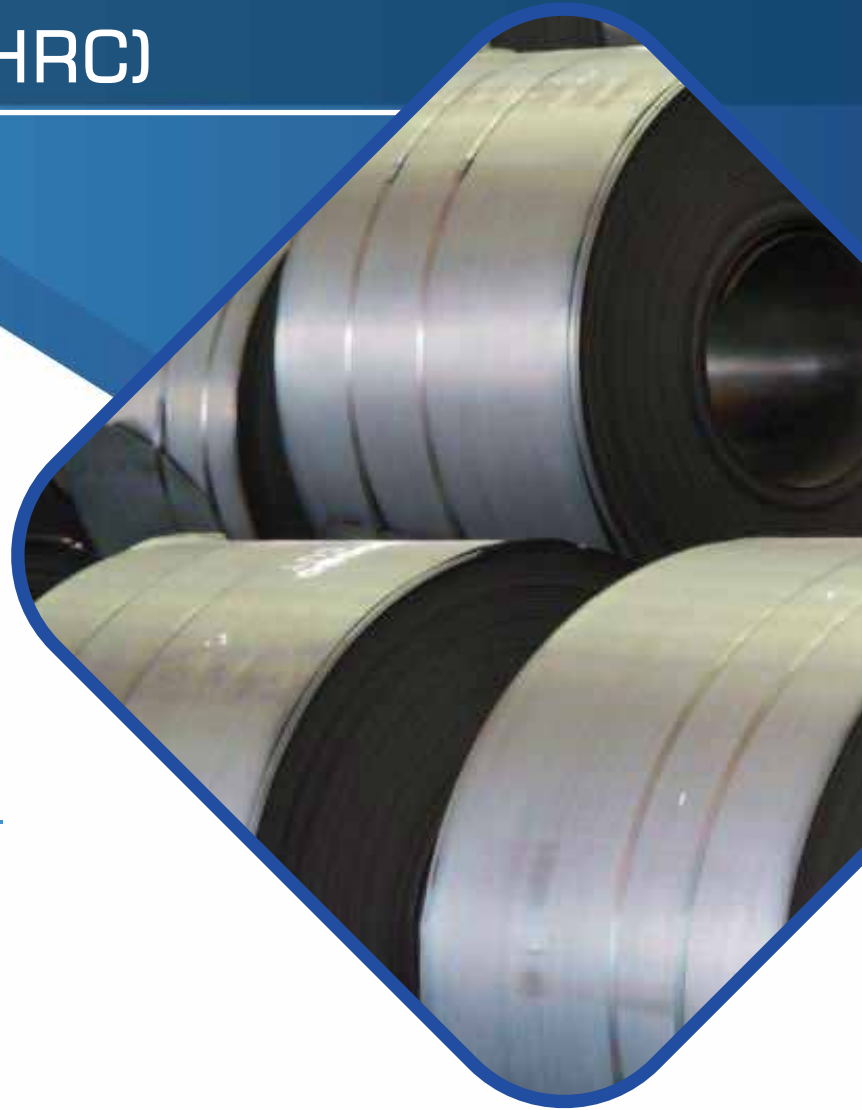
HOT-ROLLED COILS (HRC)



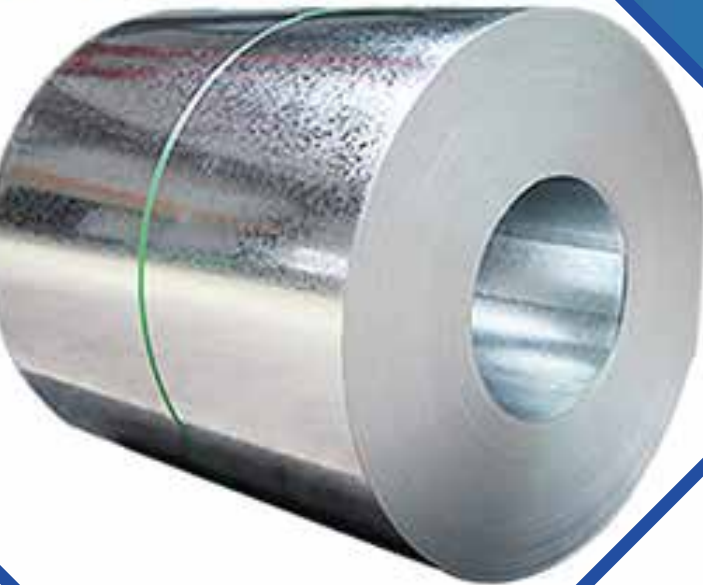
Hot-rolled coils (HRC) are a type of sheet product resembling a wound steel strip and are produced at hot-rolling mills. These products are widely used for construction, the machine industry, car manufacturing, the production of general-purpose, construction, oil and gas and special-purpose pipes, and as a work-piece for the further production of cold-rolled products.

Technical properties:

- Thickness: 1mm – 15mm
- Width: 1000mm-2000mm
- Grade: St37-2, S235JR



GALVANISED STEEL



Galvanised steel is represented by hot-rolled coils with a zinc coating, which helps to protect the steel against atmospheric corrosion. Galvanised steel coils are successfully used in industries with stringent requirements for corrosion resistance, durability, strength and appearance, and can be formed or have various coatings applied.

Technical properties:

- Thickness: 0.25mm-2mm
- Width: 1000mm-1250mm
- Grade: DX51D

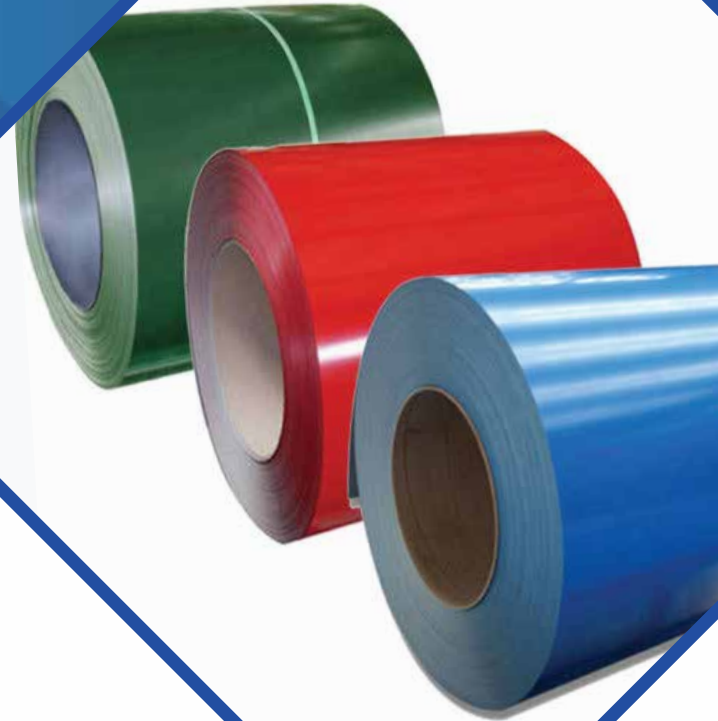
COLOUR-COATED ROLLED STEEL



Colour-coated rolled steel is a flat steel product on which protective decorative paint is applied. A polymer coating is available in various colours as well as a matte. Organic coated galvanised steel is corrosion-resistant, has excellent mechanical properties and can be formed, profiled or stamped.

Technical properties:

- Thickness: 0.4mm-1mm
- Width: 1000mm-1250mm
- Grade: DX51D



our customers





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N14 IVANE IUMASHEVI LANE, TBILISI



KAKHETI HIGHWAY, NEAR LOCHINI



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