



**TIRON**

Iron derivatives





## ■ Tiron

The Tiron Trading Company has been active in the field of production and processing of various iron derivatives for many years and sends its products to different countries of the world to meet the needs of industries and factories. The most important policy of the Tiron Company is to provide high quality products at reasonable prices to customers.





## ■ **Products of Tiron Company**

### **Steel Billet**

Steel Billet is the most widely used middle rolling steel product, which is produced with a circular and square cross section. The longer length of this product compared to ingots has led to the use of billets in the production of rebars and wires that require more length.





## ■ Steel Slabs

Slabs are intermediate and semi-finished steel products that are produced by the ingot rolling process or the continuous casting process. The cross section of the slab is rectangular in shape and is used as a raw material for the manufacture of flat rolled products such as coils and hot rolled sheets or for use in the heavy machinery industry. The slab thickness is usually between 200 and 250 mm, width between 650 and up to 2000 mm and length between 4 and 12 meters.



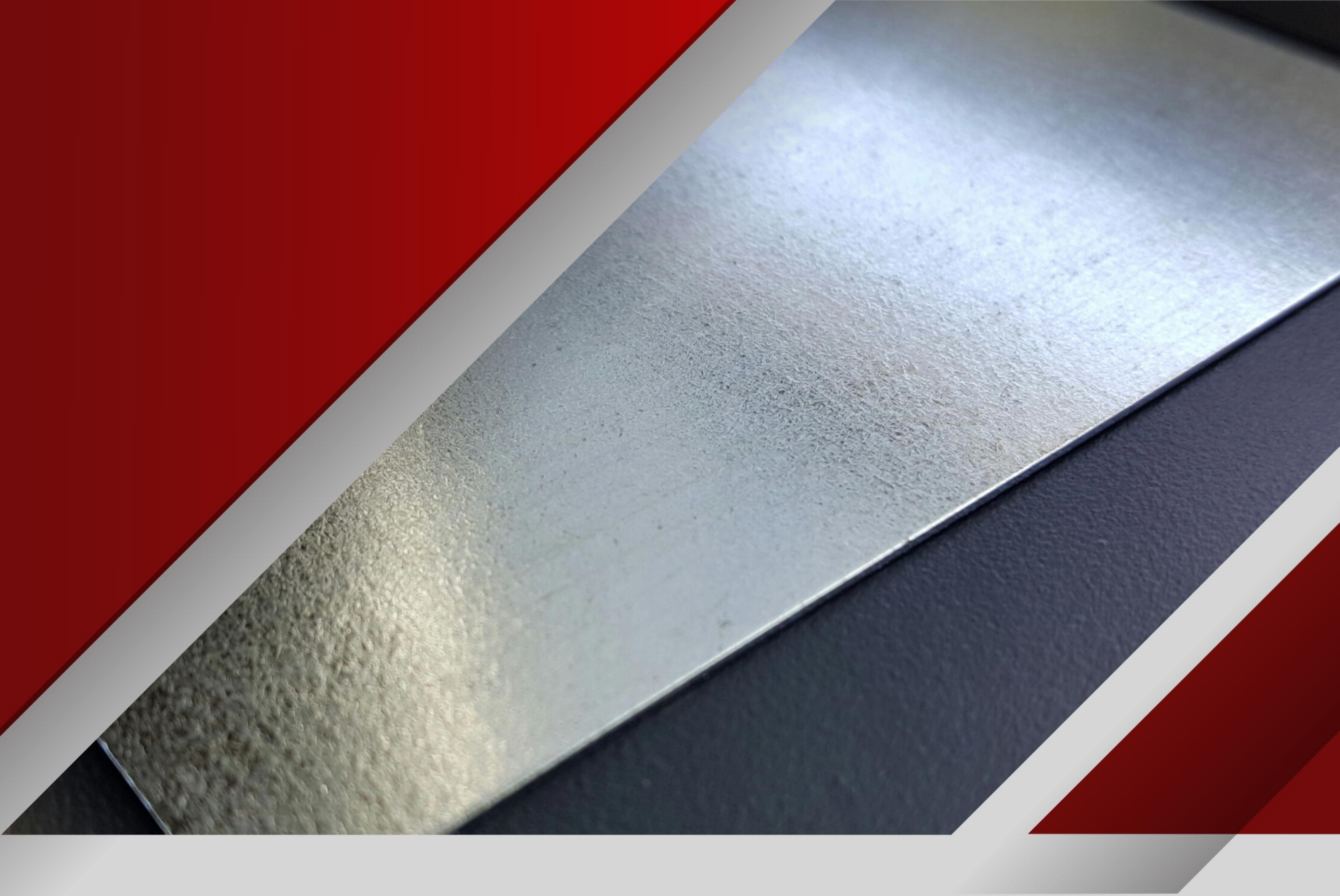


## ■ **Steel Rebar**

Rebar is a type of steel rod that is used to increase the strength of concrete and is produced in the following types:

- Simple Rebar or A1
- Spiral Ribbed Rebar or A2
- Corrugated Ribbed Rebar or A3
- Composite Ribbed Rebar or A4





## ■ **Steel Sheet**

This product has a smooth and flat surface made of iron and steel and is produced from rolled slabs. Steel sheets are among the most widely used steel products that are used directly or indirectly in various industries and are produced according to their application in the following types:

- Oil sheets
- Black sheets
- Galvanized sheets
- Colored sheets
- Acid wash sheet
- Ribbed sheets





## ■ Hot Iron Briquettes

Hot sponge iron briquette is produced from hot sponge iron at a temperature above 650 °C during the briquetting process, which is easier and safer to transport among different types of sponge iron.





## ■ DRI Sponge Iron

This product is processed by direct reduction of iron ore, in which oxygen is extracted from the iron ore and the final product is obtained in the form of porous spherical balls.





## ■ Hematite Iron Ore

Hematite is a type of iron ore with a soil-like appearance and red color and due to its excellent properties it is mostly used in the production of cement. It is one of the most demanded and most consumed types of iron ore.





## ■ Iron Mill Scale

This product is processed from rolling and forging ingots and steel parts and is used as a ferrous compound in the required industries. Iron mill scale contains  $\text{Fe}_3\text{O}_4$  magnetite and a thin outer shell of  $\text{Fe}_2\text{O}_3$  hematite that cannot be seen with the naked eye.





## ■ DRI Sludge

The DRI sludge is powder that is produced in the process of producing sponge iron and if its moisture is removed, it can be used in various industries.

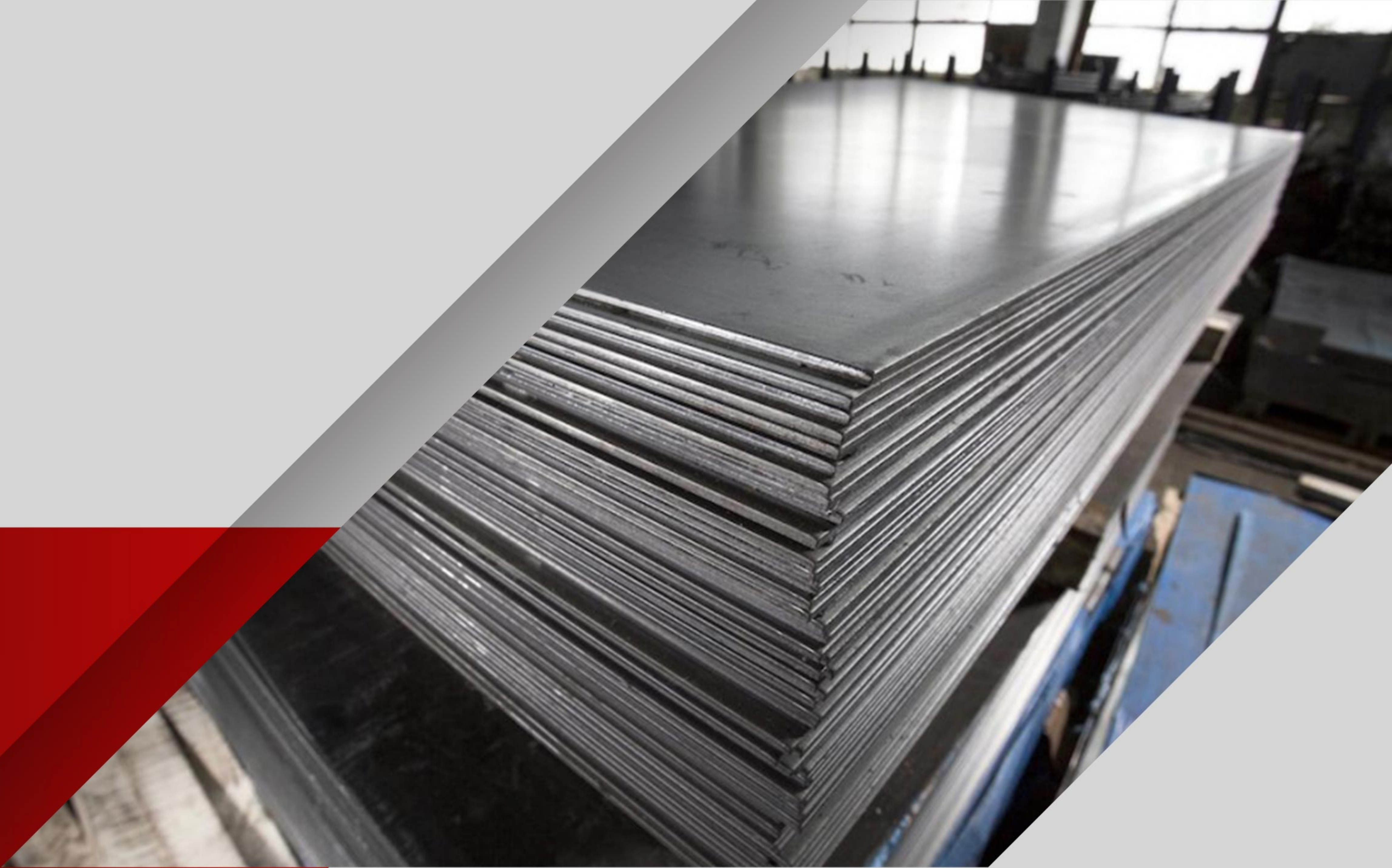




## ■ **Soft Iron Pellets**

The Soft Iron Pellet with 325 mesh and dimensions of 45 microns along with water and additives such as hydroxide, calcium, lime, etc. is rotated and processed by pelletizing machines. This product has high quality and purity and widely used among Iron products.





## ■ Packaging

The Tiron Trading Company, considering all safety standards and requirements, sends its packaged products as follows:

- Jumbo bag with capacity of 1000 kg and 1200 kg
- 25 and 40 kg multilayer laminated bags
- Multi-layered paper bags (kraft) of 25 and 40 kg
- Multilayer sacks of 25 kg and 40 kg
- Other packages upon customer request





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