



**HOT-ROLLED STEEL PLATES, SHEETS AND COILS**  
**Prefabrications,**  
**Pickled Strip Products**

Pickled steel surface is well suited for paint-coating or other surface treatment. Thanks to the clean pickled surface, production process of the customer will become more effective and service life of tools will be prolonged.

- **Applications**

- Automotive industry
- Components in serial production
- Paint-coated components
- Laser-cut components

- **Treatment alternatives for pickled steel surface**

Pickling is an efficient chemical cleansing method of steel surface. Rolling scale is removed from the surface of a strip product by means of hydrochloric acid. Pickled products are recommended to be protected with oil or with VCI technology for the short period of transport and storing. In addition to surface protection, appropriate packing improves the protection against moisture.

Treatment alternatives for pickled strip products:

- Pickled and coated with protective oil
- Pickled and protected using VCI technology.

- **Pickled product coated with protective oil**

Oil protects the pickled product against corrosion. Its effect is sufficient for short-term storing in a covered storehouse or for transport in a covered vehicle. A product coated with protective oil can be differentiated from an uncoated product by pouring some water on the surface: if the product is coated with oil the water will form droplets, whereas an uncoated surface will wet evenly. Protective oil must be removed before painting. The recommended methods for removing oil are alkali wash, emulsion wash or solvent wash. Oil coating must be asked for when making the order.

- **Pickled product protected with VCI<sup>1)</sup> technology**

In VCI protection, only the edges of a pickled coil or a bundle of cut lengths are treated. The volatile anticorrosive agent of the carrier vaporises and penetrates between the sheets thus preventing or slowing down corrosion. The VCI protected products are clean and, if necessary, possible residues of the carrier can be removed by washing with hot water. VCI protection must be asked for when making the order.

<sup>1)</sup> VCI = Volatile Corrosion Inhibitor

- **Pickled, unprotected product**

NOTE: Hot rolled steel as merely pickled is active to create atmospheric rust. Ruukki as a producer can not guarantee the surface quality of an unprotected product after transportation and/or stocking. If the product is ordered in this surface condition, it would be important to take care of sufficient protection during transportation and stocking.

- **Dimension ranges and size of the order**

The dimensions of pickled coils, cut lengths and slit strips are presented in Technical brochure Coil products, production programme. The minimum size of an order to be delivered is one (1) coil or one coil of cut lengths or slit strips.

- **Delivery time**

Compared to hot-rolled strip products, pickling adds one (1) week to the delivery time.

- **Inspection document**

Test report EN 10204-2.2 or Inspection Certificate EN 10204-3.1 will be given as required in the order.

- **Packing and marking**

Packing and marking details are presented in Technical brochure Markings and packing.

Ruukki is a metal expert you can rely on all the way, whenever you need metal based materials, components, systems or total solutions. We constantly develop our product range and operating models to match your needs.

**RUUKKI**  
more with metals

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