

Copper-plated steel

Cold-rolled strip electroplated with copper

Tata Steel offers a range of cold-rolled steel strip products electroplated with copper. These high-performance products are a cost-effective alternative to solid copper.

Used extensively in the electrical and automotive industries, our copper-plated steel delivers benefits for your products and processes. To help you optimize your operations, we can also customize our pre-plated products to meet your specific requirements.

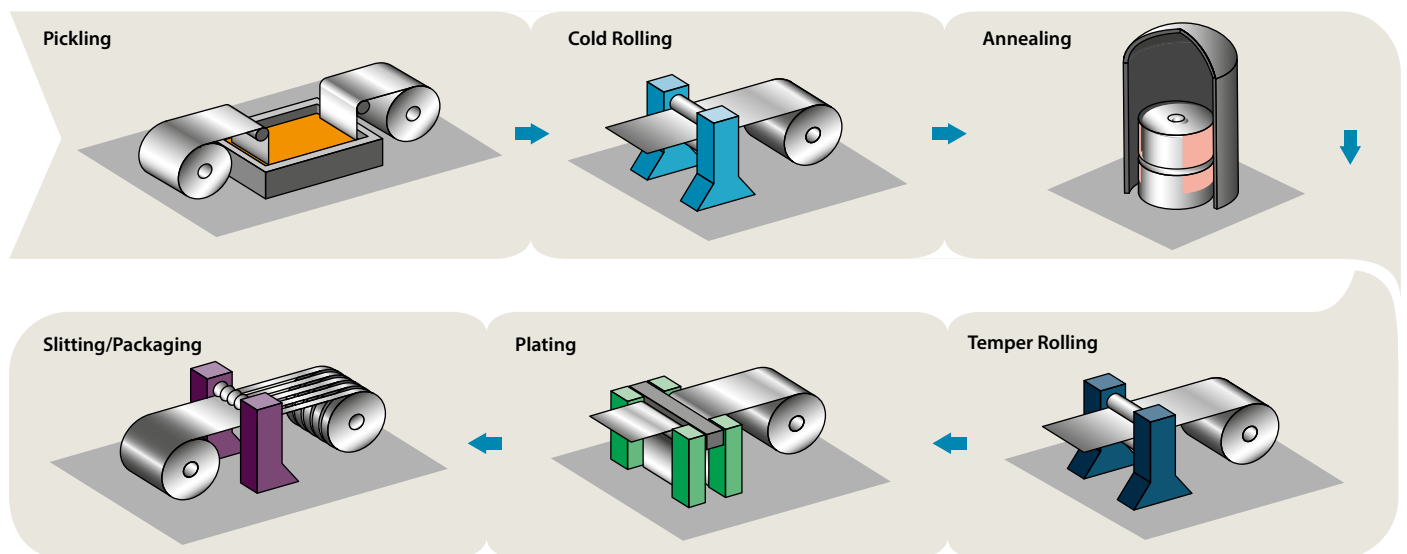


Tata Steel's versatile electroplated steel strip is utilized in numerous electrical and automotive applications. The copper layer offers high electrical conductivity and resistance to corrosion. It is also highly scratch-resistant – making our products suitable for decorative casings in addition to functional components. Our pre-plated strip comes in a choice of surface finish to suit your application.

The consistent quality and tight tolerances of Tata Steel's pre-plated strip ensure reliable processing. The copper layer acts as a lubricant for outstanding formability. Our products offer good brazing properties. They also provide an excellent substrate for post-plating.

As an added benefit, we can tailor the chemical composition, mechanical properties and plating thickness to meet your specific product and process needs.

Production Process



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Main benefits of our copper-plated steel include:

- end-products of consistent and reliable quality
- improved end-product performance
- trouble-free, repeatable processing
- minimized waste
- extended tool life
- control of substrate and base metal properties

Applications

- Automotive products including: brazed double-walled tubes, bearings
- Electrical products including: circuit breakers, switches

Surface appearance

- Natural copper finish
- Roughness from smooth to heavy matt
- Brushed finish



Delivery conditions

Delivery condition		Thickness range		Plating thickness		Width range	
		mm	inch	μm	μ"	mm	inch
LC, C290, C340, C390, C440, C490, C590, C690	1T (full hard), 2T, 3T, 4T, 5T	0.150 – 1.700	0.006 – 0.070	1.0 – 6.0	40 – 240	19 – 830	0.750 – 33

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