

NiZn-Cote® and NiZn-Cote® Plus

Custom-made plated steel for demanding applications

Tata Steel's NiZn-Cote® and NiZn-Cote® Plus are cold-rolled steel strip products electroplated with a nickel-zinc alloy. These high-performance products provide a cost-effective alternative to stainless steel.

NiZn-Cote® and NiZn-Cote® Plus are successfully used in a wide range of demanding applications. They offer significant benefits for your end-products and processes. These include excellent corrosion resistance and paint adhesion.

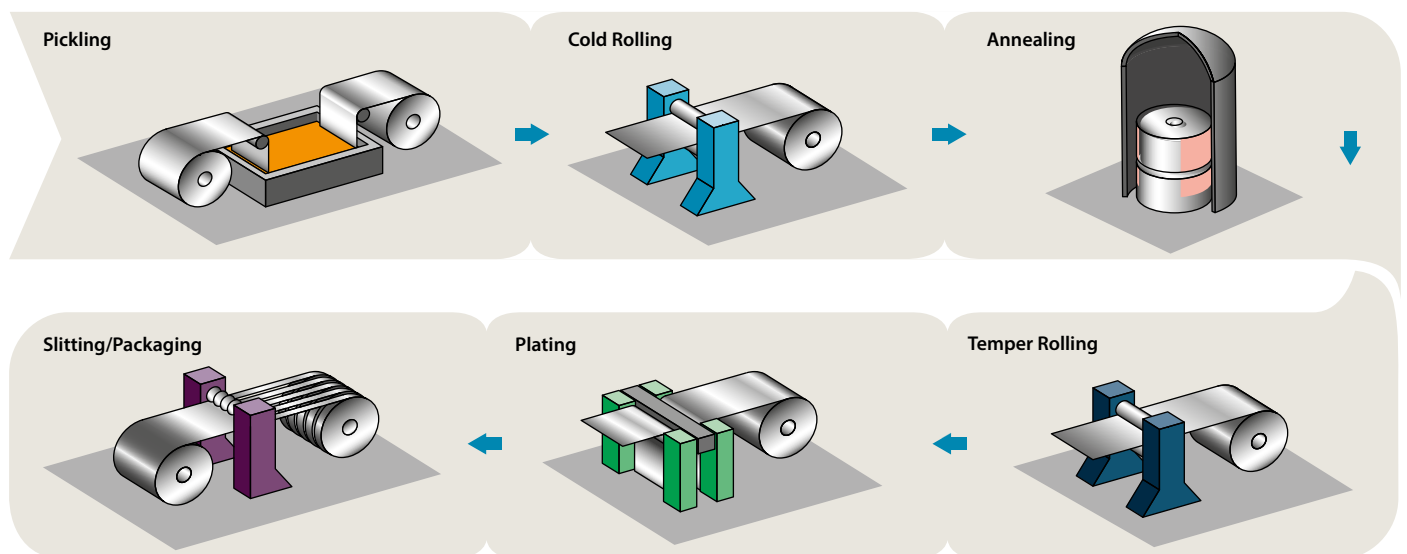
Tata Steel developed NiZn-Cote® and NiZn-Cote® Plus to deliver outstanding performance features. These products are manufactured under stringent controls for quality that you can rely on. Our optimised electroplating process ensures outstanding corrosion resistance. The resistance levels are higher than those of a galvanised coating at equivalent plating thickness. NiZn-Cote® Plus is additionally coated with a polymer layer – helping you to reduce processing steps. Both products offer excellent paintability and are available in a choice of surface finish.



NiZn-Cote® and NiZn-Cote® Plus are produced to extremely tight tolerances for repeatable processing. Other processing benefits include consistent formability and deep-drawing properties. NiZn-Cote® and NiZn-Cote® Plus also offer better weldability than zinc-coated products.

For added benefits, we can customize our products to meet your exact processing and end-product requirements.

Production Process



NiZn-Cote® and NiZn-Cote® Plus

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Main benefits of NiZn-Cote® and NiZn-Cote® Plus include:

- end-products of consistent and reliable quality
- improved end-product performance
- trouble-free, repeatable processing
- minimised waste
- opportunities to reduce processing steps
- opportunities for cost savings
- control of substrate and base metal properties

Applications

- Automotive components
- Electrical components
- Tubing
- Brackets
- Sporting ammunition

Surface appearance

- Natural 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	0.100 – 1.700	0.004 – 0.070	0.5 – 5.0	20 – 200	12 – 724	0.5 – 28.5

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