

EcoTri[®] NC

High performance cobalt-free passivate



General Metal Finishing

Corrosion resistant coatings

atotech.com



High performance cobalt-free passivate for zinc and zinc alloy surfaces

High protection without negative environmental impact

EcoTri[®] NC is MKS' Atotech latest contribution to its ever growing product portfolio of environmentally sound corrosion resistant coatings. Specifically designed for zinc nickel applications, this Cr(III)-based, cobalt-free passivate offers customers a clear to iridescent surface appearance and provides the same great protection against corrosion as cobalt containing passivates, without the negative environmental impact. EcoTri[®] NC is particularly adhesive to numerous organic and inorganic post-treatments, making it highly suitable for MKS' Atotech line of sealers as well.



Cobalt-free iridescent thick film passivate for zinc and zinc alloy coatings



Figure 1:
Tricotect® regeneration system

Figure 2:
Fasteners coated with
Zylite® HT Plus / EcoTri® NC /
Corrosil® Plus

Figure 3:
Washers coated with Zinni®
220 / EcoTri® NC

Increased efficiency

EcoTri® NC is suitable for use with Atotech Tricotect® regeneration system. Tricotect® allows for the continuous and selective removal of iron and zinc contamination from passivate solutions, preventing hazing and discoloration of passivate films and ensuring a consistent high plating quality.

Features and benefits

- Cobalt-free
- High corrosion protection
- Strong adhesion to numerous organic and inorganic post-treatments
- Highly suitable for MKS' Atotech line of sealers
- Suitable for use with Tricotect®

Working parameters

Temperature	30 – 50 °C
pH	2.5 (2.1 – 3.1)
Immersion time	60 – 90 s

