

Tridur[®] ZnNi H5.2

Black passivate for all zinc nickel surfaces



General Metal Finishing

Corrosion resistant coatings

atotech.com



A deep black passivate for acid and alkaline zinc nickel surfaces

Where sleek appearance and corrosion protection meet

Tridur[®]ZnNi H5.2 is MKS' Atotech eco-friendly fluoride and cobalt-free passivate for acid and alkaline zinc nickel surfaces. It results in a deep black finish with high color stability and homogeneous distribution across the entire substrate.

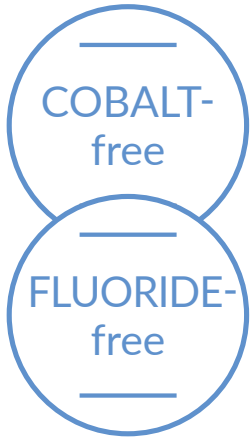
Attention to functionality and aesthetics are top priorities; when used in combination with MKS' Atotech sealers, post-dips or top coats, Tridur[®]ZnNi H5.2 offers both an attractive black appearance and, most importantly, remarkably high levels of protection against white and red corrosion (240 h/720 h). At a typical 8 µm zinc nickel layer, 1,200 h resistance against red corrosion can be easily achieved.

Features and benefits

- Deep black appearance
- Suitable for acid and alkaline zinc nickel, e.g.: Zinni[®] 220, Zinni[®] AL 450, Zinni[®] AL 650
- Cobalt and fluoride-free
- Compatible with sealer, post-dip and top coats
- Very good results in Neutral Salt Spray Test
- Automotive industry-approved
- Appropriate for barrel and rack applications
- Extended lifetime compared to the market standard, reducing operating costs

Tridur® ZnNi H5.2

The new standard for black passivation



Neutral Salt Spray Test acc. to DIN EN ISO 9227

In combination with our post-dips or sealers Tridur® ZnNi H5.2 exhibits high levels of corrosion protection against white and red corrosion (240 h / 720 h) according to DIN EN ISO 9227. A typical 8 µm zinc nickel layer can achieve easily 1,200 h against red corrosion by using Tridur® ZnNi H5.2 with our post-dip or sealer.



Figure 1: Surface appearance of Zinni® AL 450 / Tridur® ZnNi H5.2 / Tridur® Finish 300 after NSST (Neutral Salt Spray Test)

Tailored performance and appearance

Tridur® ZnNi H5.2 provides in combination with either sealers, post-dips or top coats, distinct properties responding to different requirements and needs of the automotive and heavy agriculture machinery industries.

Lifetime up to

7m²/l

