

Zintek[®] 300 HP + Techseal[®] Glossy Black SL



General Metal Finishing

Zinc flake technology

atotech.com



The powerful radiant black zinc flake coating system

A strong coating combination setting fastener projects apart



Our innovative zinc flake coating system combines the exceptional Zintek[®] 300 HP zinc flake basecoat with the Techseal[®] Glossy Black SL zinc flake topcoat. The winning coating system not only provides outstanding corrosion protection but also boasts a remarkable resistance to a large spectrum of automotive and industrial chemicals. Embracing sustainability, our eco-conscious, non-PFOS, and non-PFAS zinc flake coating system ensures our customers' compliance with the stringent EPA, CEPA, and REACH regulations, paving the way for a greener future.

Our coating system comprises an appealing and consistent basecoat that provides a solid foundation and a topcoat that delivers a rich, deep black, uniform glossy finish, adding a touch of splendor to the surface.

With its superior coverage, this zinc flake system has the potential to become the preferred choice for general industrial applications and in the automotive and motorcycle industries. Designed to suit all types of fasteners, the technology incorporates an integrated lubricant, resulting in a remarkably narrow coefficient of friction window, ranging from 0.11 – 0.17.

Zinc flake technology for performance that stands out

Zintek 300 HP + Techseal Glossy Black SL

Our Zintek 300 HP and Techseal Glossy Black SL zinc flake solution is a top-quality, non-PFOS, non-PFAS coating system that goes above and beyond environmental standards. It is free from harmful heavy metals like Cr(VI), cadmium, cobalt, lead, or nickel, making it an eco-conscious choice.

The solvent-based, inorganic black basecoat Zintek 300 HP offers outstanding protection. With excellent adhesion and a uniformly attractive dark appearance, it provides lasting protection without the risk of hydrogen embrittlement.

The organic black Techseal Glossy Black SL topcoat as the final finish offers an enticing glossy black finish that enhances the aesthetics of fasteners with superior coverage and exceptional corrosion protection. Its high chemical resistance makes it ideal for various applications, and the integrated lubricant provides controlled coefficient of friction properties. The versatile topcoat can be applied using dip-spin, spin coating, or spray methods.

Features and benefits

- Non-PFOS, non-PFAS base- and topcoat
- EPA, CEPA and REACH-compliant
- Free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead or nickel

Zintek 300 HP

- Solvent-based, inorganic black basecoat
- Excellent delay of white corrosion formation
- Very good adhesion
- Attractive uniform dark black appearance
- No hydrogen embrittlement

Techseal Glossy Black SL

- Very attractive, glossy black appearance
- Superior coverage
- Outstanding corrosion protection
- High chemical resistance
- Integrated lubricant for controlled CoF
- Applicable at all kinds of fasteners

Neutral salt spray test acc. to ISO 9227



Figure 1 + 2: Surface appearance of Zintek 300 HP + Techseal Glossy Black SL before and after Neutral salt spray test

Cyclic corrosion test acc. to Volvo ACT II

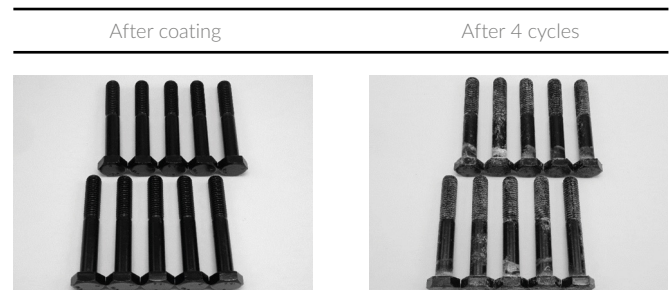


Figure 3 +4: Surface appearance of Zintek 300 HP + Techseal Glossy Black SL before and after Cyclic corrosion test

