Zintek® Top XT

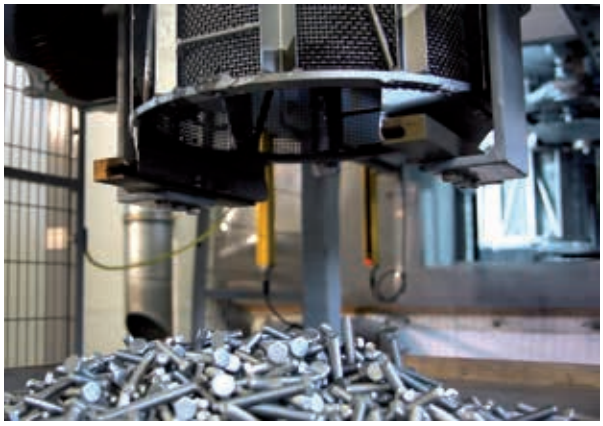
Zinc flake technology from Atotech

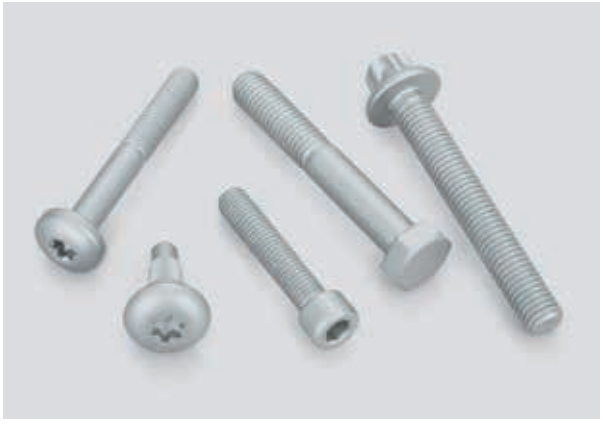
General metal finishing | Zinc flake technology | www.atotech.com

Thin layer, best protection

Zinc flake coating systems

Zinc flake technology provides a high grade of corrosion protection using combinations of specialized base and top coats. Largely embraced by the fastener industry, such coatings find widespread use within a variety of applications: ranging from fasteners, hose clamps, clips or brake components for the automotive industry, special fasteners in the wind power, construction and other industries. Atotech offers a comprehensive range of processes including silver and black finishes for different application areas. The coatings are completely Cr(VI)-free and fulfill global automotive performance requirements.





Corrosion resistance

Base coat	Top coat	Durability
8 µm	1 µm	1,000 h*
10 µm	1 µm	1,500 h*
15 µm	1 µm	2,000 h*
8 µm	1 µm	12 cycles**

Corrosion resistance acc. to *ISO 9227 / **Ford L-467 and layer thickness may vary depending on part geometry, substrate and application method.

Features and benefits

- Inorganic clear top coat
- Boosting tremendously corrosion protection
- Very good adhesion
- Attractive transparent appearance
- Water based
- No hydrogen embrittlement
- Free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead or nickel
- Excellent results on zinc flake base coats as well as on electroplated zinc/zinc alloys

ATOTECH

Zintek® Top XT
Zinc flake technology from Atotech

Application

- Dip-spin
- Spray

Combinations

- Combinable with Zintek® base coats
- Combinable with electroplated and passivated finishes

Parts (application)

- Fasteners
- Chassis part
- Stamping parts
- Springs
- Clips

Application parameters

- Make up: ready to use
- Curing time: 15 – 45 min
- Curing temperature: 120 – 180 °C
- Recommended 15 min at 150 °C object temperature

Coefficient of friction

- No defined coefficient of friction (μ_{tot})

Technical data

- Delivery density: 1.03 – 1.13 g/cm³ (at 20 °C)
- Stability in sealed drums: 18 months
- Theoretical coverage rate: 85 m²/kg (based on 2 µm dry film)

Corrosion performance

Start

12 cycles**

Start

2,100 h*

Atotech Group
Untergasse 47
65468 Trebur-Geinsheim
+49 6147 50130
info@atotech.com