

Zintek® Top XT

Zinc flake coatings from Atotech



General Metal Finishing

Zinc flake technology

atotech.com



Thin layer, best protection

Premium top coat for masterfully boosting corrosion protection

Corrosion protection has been taken to a whole new level with Zintek® Top XT, the water-based, inorganic clear top coat from MKS Atotech. Zintek® Top XT shows outstanding performance results in the Neutral Salt Spray Test (NSST) and cyclic corrosion resistance tests (CCT). It also accomplishes the critical task of preventing white rust formations. The top coat exhibits excellent results in coverage, adhesion, corrosion resistance, and appearance on zinc flake base coats, as well as on electroplated zinc and zinc alloys. An integrated lubricant caters to controlled friction properties. Zintek® Top XT is free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead, or nickel.

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
- Outstanding performance in NSST and CCT
- Significantly reducing white rust formation
- 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 and on electroplated zinc/zinc alloys

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Application

- Dip-spin
- Spray

Parts (application)

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

Coefficient of friction

- Integrated lubricant for controlled friction properties

Corrosion performance



Start

12 cycles**

Combinations

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

Application parameters

- Make up: ready to use
- Curing time: 15 – 45 min
- Curing temperature: 120 – 180 °C
- Recommended 30 min at 150 °C object temperature

Technical data

- Delivery density: 1.03 – 1.13 g/cm³ (at 20 °C)
- Stability in sealed drums: 18 months
- Theoretical coverage rate: 77 m²/kg (based on 2 µm dry film)



Start

2,100 h*

