Zintek® 200

Zinc flake basecoat

General Metal Finishing | Zinc flake technology | atotech.com



non-PFAS

The allrounder basecoat

Standard, but superior

Zintek 200, the premium silver basecoat process, delivers exceptional corrosion protection with strong adhesion and coverage. The product is now as non-PFAS version available too. Its conductive zinc-aluminum layer forms during baking, shielding substrates from corrosion. In Neutral Salt Spray Testing (ISO 9227), two layers (~8µm) withstand over 1,000 hours of exposure. High adhesion and impact resistance ensure uniformity under stress. With a top-tier coverage rate of 20 m^2/kg (10 µm dry film), Zintek 200 offers cost-effective protection, outperforming other zinc flake coatings.

Corrosion resistance

Basecoat	Topcoat	Durability
8 µm	0 µm	720 h*
10 µm	0 µm	1,000 h*
15 µm	0 µm	1,500 h*

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

Features and benefits

- Inorganic silver premium zinc flake basecoat process
- Excellent cathodic corrosion protection
- Very good adhesion
- Attractive silver appearance
- Solvent-based
- No hydrogen embrittlement
- Free of harmful heavy metals such as Cr(VI), cadmium, cobalt, lead or nickel; non-PFAS version available
- Combinable with Atotech's top coats

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Zintek 200
Silver inorganic basecoat

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Application

- Dip-spin
- Spray

Combinations

- Combinable with inorganic Zintek® Top
- Combinable with organic Techseal®
- Combinable with organic Techdip®

Parts (application)

- Fasteners
- Chassis parts
- Stamping parts
- Brake components
- Springs
- Clips

Application parameters

- Application viscosity: 40 – 50 sec
- Curing time: 15 – 45 min
- Curing temperature: 210 – 240 °C
- Recommended 25 min at 230 °C object temperature

Coefficient of friction

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

Technical data

- Delivery density: 1.40 – 1.55 g/cm³ (at 23 °C)
- Stability in sealed drums: 24 months
- Theoretical coverage rate: 20 m²/kg (based on 10 µm dry film)

Corrosion performance



Start



1,000 h*