

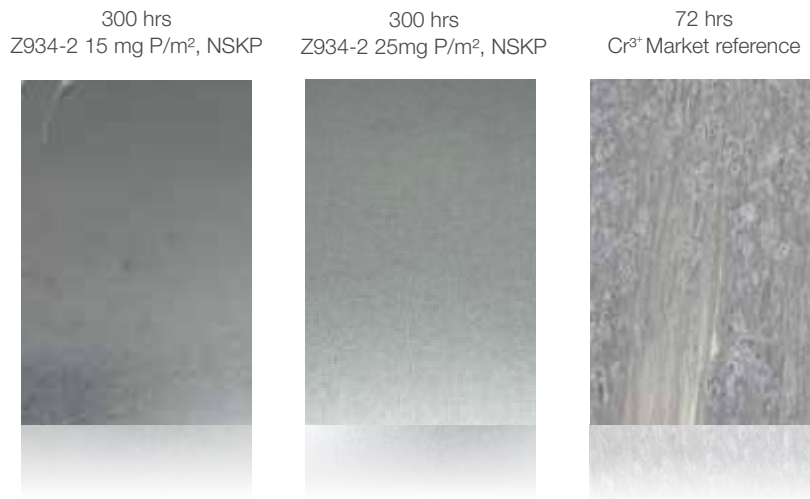
High-end chemical technology

- Trivalent chrome water-based passivation / TOC product
- Corrosion performance that surpasses conventional hexavalent chrome passivations / TOC's
- Excellent anti-fingerprint, formability, weldability, adhesive & bonding properties
- ROHS and REACH compliant
- Modular chemical technology
- Applicable for temporary storage protection followed by direct color coating
- Designed for Zinc alloys (Z)
- Low peak metal temperatures of >40 °C required for drying
- Prevents dried in product build up on apparatus when compared to conventional TOC Systems

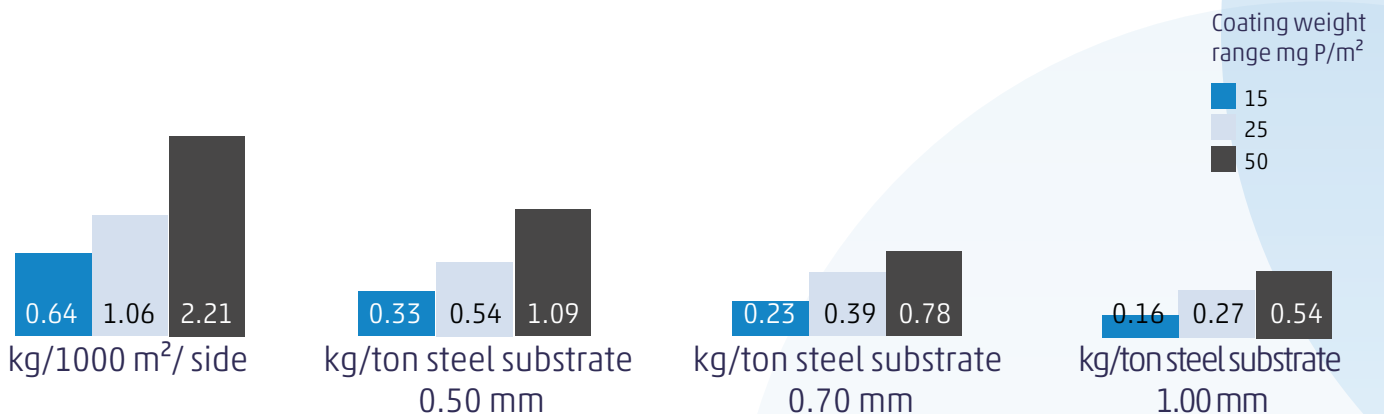
About the product

PrimeCoat® Z934 is a water-based functional coating developed to improve corrosion resistance of galvanized steel and other zinc-alloyed coatings. The main advantages of the PrimeCoat® Z934 are reduction of the friction of the metal surface in forming operations and improved bonding properties. PrimeCoat® Z934 is based on trivalent chromium chemistry, does not contain hexavalent chromium Cr(VI) nor fluorides.

300 vs 72 hour exposure



Chemical consumption | Overview consumption per coating weight

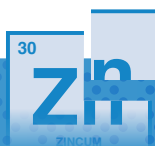


PrimeCoat® Z934-series, over 15+ years production experience.

Overall performance with & without topcoat

TEST METHOD	Performance passivation/pretreatment (20-30 mg P/m ²)		Performance TOC (40-60 mg P/m ²)	
	With Topcoat	Without Topcoat	With Topcoat	Without Topcoat
Neutral Salt Spray Test (ASTM B117) DIN EN ISO 9227 (monolayer)	>500 hours, <2mm corrosion	168 hrs, <5% white rust	>500 hrs, <2mm corrosion	>300 hrs, <5% white rust
Neutral Salt Spray Test (ASTM B117) DIN EN ISO 9227 (primer & topcoat)	>1000 hours, < 2mm corrosion	>1000 hours, <5% white rust	>1000 hrs, <2mm corrosion	>1000 hours, <5% white rust
(Alternating) Humidity Test DIN EN ISO 6270-2	>1000 hours, < 2mm corrosion	>1000 hrs, <5% white rust	>1000 hrs, <2mm corrosion	>1000 hrs, <5% white rust
T-bend test DIN EN 13523-7	1T, after 1hr boiling		1T, after 1hr boiling	
Cross-cut test DIN EN 13523-6	G0, after 1hr boiling		G0, after 1hr boiling	
Reverse impact test DIN EN 13523-5	18J, after 1hr boiling		18J, after 1hr boiling	
Anti- fingerprint properties		ΔE <1.0		ΔE <1.0
Darkening on Galvalume®		ΔE <3.0		ΔE <3.0

Modular system



PrimeCoat® products are modular. This means that each product can be adapted to specific customer needs.

By changing for example the product concentration or adding specialty additives certain product properties can be enhanced.

Other solutions

AD CCT can offer a wide range of treatment and cleaning solutions for coiled materials such as:

- Passivation
- Thin Organic Coatings (TOC)
- Pre-treatments
- Lubricant boosters
- Cleaners and additives
- Insulation coatings

Renowned manufacturers such as TATA Steel come to rely on AD CCT chemicals as part of their continuous manufacturing process. "TATA chose us because of our Chromefree products, our reliable quality and high levels of service."



Coil Coating Technologies is part of AD International

The information provided in this leaflet as well as our technical service, verbal, in writing or by testing is being given to the best of our knowledge. It does not relieve the purchaser from examining the product upon delivery and gives no assurance of suitability of the product for any particular process or purpose. Our General Conditions of Sale and Payment are valid for each delivery.