

High-end chemical technology

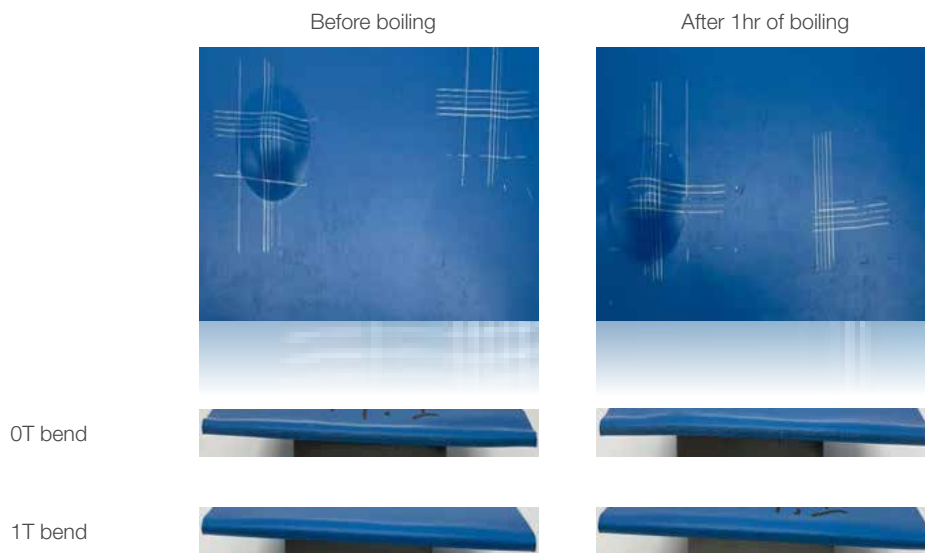
- Water-based, trivalent chrome (Cr3+) pre-treatment product
- Purposely developed to improve paint adhesion and bonding properties
- Designed for Zinc alloys (Z)
- Provides excellent corrosion resistance comparable with a conventional hexavalent chrome pre-treatment
- ROHS and REACH compliant

About the product

PrimeCoat® Z132C is a water-based functional coating developed to improve the bonding properties of galvanized steel and other zinc-alloyed coatings.

PrimeCoat® Z132C is based on trivalent chromium chemistry, does not contain hexavalent chromium (Cr(VI)) and is ROHS and REACH compliant. Typical galvanized steel surfaces that will have advantage of the PrimeCoat® Z132C pretreatment are standard zinc, electrogalvanized zinc, galvalume, galvannealed, magnesium-aluminum-zinc alloys, alusi and galfan. The bonding properties of PrimeCoat® Z132C-2 were tested in combination with several mono-layer, primer/topcoat and powder coatings such as: PVDF, polyester and polyurethane after exposure in wet conditions like humidity tests, boiling water and salt spray tests reaching the highest quality in all tests.

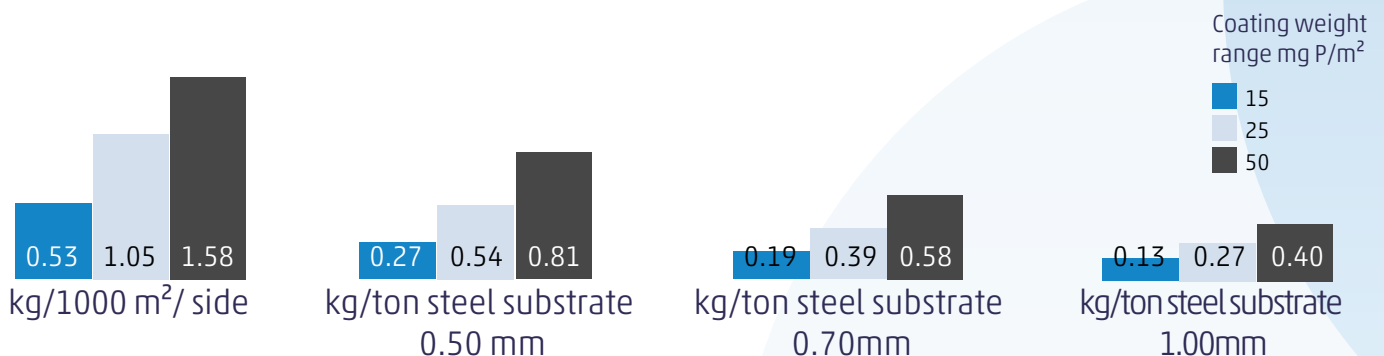
1 hour boiling water test



0T bend

1T bend

Chemical consumption | Overview consumption per coating weight



AD. Leader in chromefree, ROHS and REACH compliant products.

Overall performance with & without topcoat

TEST METHOD	Performance
Neutral Salt Spray Test (ASTM B117) DIN EN ISO 9227 (monolayer)	>500 hours, <2mm corrosion
Neutral Salt Spray Test (ASTM B117) DIN EN ISO 9227 (primer & topcoat)	>1000 hours, < 2mm corrosion
(Alternating) Humidity Test DIN EN ISO 6270-2	>1000 hours, < 2mm corrosion
T-bend test DIN EN 13523-7	0T, after 1hr boiling
Cross-cut test DIN EN 13523-6	G0, after 1hr boiling
Reverse impact test DIN EN 13523-5	18J, after 1hr boiling

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.