

PROCESSES DATASHEET

ASTEC 3000 ZINC NICKEL

Zinc Nickel is the high end corrosion protection finish of the electroplated coatings. Designed as a highly functional coating to offer superior levels of corrosion resistance in increasingly demanding environments. As an electroplated coating the final product produces a sacrificial layer that will corrode preferentially to the steel substrate. These means that unlike barrier coats, such as paint, the coating can still offer protection following in-service damage.

Astec 3000 is not just about a product, it's a whole process designed to ensure the end coating is a market benchmark for quality and performance. Formulated and perfected through more than 20 years of high volume production our Zinc Nickel process blends all our knowledge, experience, chemistry and equipment to provide a unique coating that meets the most demanding specifications.

INDUSTRY SECTORS SUPPORTED

Automotive	Mining
Military	Electronics
Defence	General Engineering
Construction	Retail
Rail	Marine
Renewable Energy	

OEM CUSTOMERS



KEY PROPERTIES

- ||| Alkaline, non-cyanide solution
- ||| High Nickel deposit 12-18%
- ||| A ductile coating suitable for post-forming
- ||| Low deposit thickness from 5 microns
- ||| Exceptional corrosion protection
- ||| REACH compliant
- ||| Available in clear and black finishes
- ||| Zinc whisker free

KEY BENEFITS

- ||| Superior corrosion protection
- ||| Excellent hardness and scratch resistance
- ||| Excellent wear resistance
- ||| Excellent galvanic corrosion protection
- ||| Excellent ductility for post bending and crimping
- ||| Excellent thermal stability
- ||| Excellent adhesion for paint

SPECIFICATIONS

	WC hrs	RC hrs
BLACK	240+	1000+
CLEAR	500+	1500+

Actual results are effected by many non-coating factors including substrate and component geometry.



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