

# TECHNICAL DATA SHEET

## PRIMECOAT™ Z 934 CHROMATE-FREE THIN ORGANIC COATING

PRIMECOAT™ Z 934 is a water-based thin organic coating that provides corrosion protection on zinc and zinc alloy coated steel surfaces. It contains trivalent chromium and acrylic resin to offer other beneficial properties such as lubrication and anti-fingerprint appearance.

### Applications

PRIMECOAT™ Z 934 should be uniformly applied onto clean and dry metal strip. It should be diluted preferably with demineralized water at a typical application concentration of 50-100%. In a continuous steel process, a chemcoater should be used in forward or reverse direction at ambient temperature without rinsing. Drying is sufficient when all the water has been evaporated off and the coating has a dry-touch immediately after the oven. Ideal peak metal temperature (PMT) is 120 - 180°F. Chromium coating weight can be measured via XRF. PRIMECOAT™ Z 934 should be applied at 5 - 9 mg Cr/ft<sup>2</sup> coating weight for thin organic coating performance and 2-4 mg Cr/ft<sup>2</sup> for passivation performance.

### Benefits

- Outstanding corrosion protection
- Provides thicker coating layer for excellent lubrication in metal forming operations
- Anti-fingerprint properties
- Improved bonding properties
- No toxic ingredients- chromate-free and fluoride-free

### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions. This product has a shelf life of 12 months, and it should be stored out of direct sunlight in temperatures between 5 - 35°C.

### Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Milky dark green	
pH concentrate	0.9 ± 0.2	
Density concentrate	1.13 ± 0.1	g/cm <sup>3</sup>
Solubility in water	Completely	

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.

