

# Building a Stronger Future. Together.

## Treatment that Goes Beyond the Surface.

Quaker Houghton has innovative leading-edge fluid technologies, integrated process equipment solutions, and superior technical service to optimize your operations and increase profitability. Our surface treatment fluids bring enhanced corrosion protection through regionally compliant chemistries. An effective surface treatment process can be achieved when applied at an increased layer thickness while balancing the visual appearance of the metal and adhesion strength, resulting in the prevention of white rust and staining on steel surfaces.

## Surface Treatment Product Line Corrosion Protection of Zinc and Zinc-Alloy Steel Strip

### Hexavalent Chrome

#### PRIMECOAT™ HC 360 Passivate

- Designed to provide "white rust prevention" to coated surfaces during in-house storage and transportation to customer site
- Achieves excellent corrosion protection and transparent appearance especially at higher coating weights
- Has an extremely low operational cost in comparison to other passivates or TOCs

#### PRIMECOAT™ 8600 Thin Organic Coating

- Provides excellent corrosion protection and lubrication
- Reduces galling in deep drawing operations
- Creates an anti-fingerprint acrylic film that repels moisture and has a transparent appearance even at higher coating weights

## Trivalent Chrome

### PRIMECOAT™ Z 838 Passivate

- Achieves excellent corrosion protection and forms a transparent layer, even at higher coating weights
- Reduces galling in deep drawing operations
- Offers good paint adhesion similar to that of a pretreatment

## Chrome-Free

### PRIMECOAT™ 908 Passivate/Thin Organic Coating

- Has good corrosion protection and excellent appearance, even at higher coating weights
- Reduces galling in deep drawing operations
- Does not contain toxic ingredients to be chrome-free and fluoride-free

### PRIMECOAT™ 934 Passivate / Thin Organic Coating

- All of the same benefits of PRIMECOAT™ Z 838
- Added acrylic resin for improved lubrication, corrosion, and anti-fingerprint properties
- Functions as a passivate or thin organic coating depending on coating weight

## Properties

PRODUCT	TYPICAL VALUE				UNIT			
	PRODUCT TYPE	TECHNOLOGY	CHEMISTRY	ROHS COMPLIANCE	CORROSION PROTECTION	LUBRICATION	ADHESION/BONDING	ANTI-FINGERPRINT
PRIMECOAT™ HC 360	Passivate	Hexavalent chrome	Water based		+++	-	++	-
PRIMECOAT™ Z 838	Passivate	Trivalent chrome	Water based		+++	+++	+	-
PRIMECOAT™ 934	Passivate/TOC	Trivalent chrome	Water based, trivalent chrome & acrylic resin		+++	+++	++	+
PRIMECOAT™ 8600	TOC	Hexavalent Chrome	Water based, slightly alkaline		+++	+++	-	+
PRIMECOAT™ 908	Passivate/TOC	Chrome-Free	Water based		+	+++	+	-

Start your surface treatments off right with our **Cleaners: QUAKERCLEAN®**

