



PRIMECOAT™ 8600 HEXAVALENT CHROMIUM, THIN ORGANIC COATING

APPLICATION SHEET

BENEFITS

- » Outstanding corrosion protection
- » Excellent lubrication Reduces galling in deep drawing operations
- » Anti-fingerprint properties

- » Transparent appearance, even at higher coating weights
- » Water repellent properties
- » Very low chromium leaching

APPLICATIONS

PRIMECOAT™ 8600 is a water-based, slightly alkaline, chromated, thin organic coating. It provides excellent corrosion protection and lubrication on zinc/zinc alloy coated steel strip by providing a transparent film that repels moisture.

| COATING WEIGHT | STANDARD TEST METHOD | SUBSTRATE | RESULT |
|--|--|-----------------------|-------------------------------|
| 1.0 - 2.0 mg Chromium/ft ² | Neutral Salt Spray (ASTM B 117) | Hot Dip Galvanized | >500 Hours <5% White Rust |
| | | Galvalume | >1000 Hours <5% White Rust |
| | Constant Climate Humidity (ASTM D224) | Hot Dip Galvanized | >1000 Hours <5% White Rust |
| | | Galvalume | >1000 Hours <5% White Rust |
| | 1000 Hour QUV (EN 13523-10) | Galvalume | Passed, Non-Yellowing |
| | 2000 Hour Butler Immersion | Galvalume | Passed, No Stain |
| | | | |

FLUID MAINTENANCE

PRIMECOAT™ 8600 should be used as received with no further dilution needed. The bath temperature should not exceed 100°F. It can be applied to the strip with a standard chemcoater followed by oven curing to a recommended peak metal temperature (PMT) range of 160 - 220°F. Confirmation of chromium coating weight on the strip surface can be measured by X-ray fluorescence (XRF).

To clean PRIMECOAT™ 8600 from the chemcoater, drain the majority of the material into a storage drum followed by water rinsing. If a residual film remains on the chemcoater rolls, it may be removed by wiping with methyl ethyl ketone (MEK).





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STORAGE AND HANDLING

It is recommended to store PRIMECOAT™ 8600 in the original delivery packages (preferably plastic or stainless steel totes or drums) at a storage temperature of 45°F to 95°F and avoid freezing.

PRIMECOAT™ 8600 is safe when used as recommended by Quaker Chemical. Refer to the Safety Data Sheet (SDS) for proper handling and disposal procedures.

PROPERTIES

| PROPERTY | TYPICAL VALUE |
|------------------|-------------------------|
| Appearance | Yellow Liquid |
| рН | 8.2 |
| Specific Gravity | 1.015 g/cm ³ |
| Bulk Density | 8.47 lb/gal |

quakerchem.com | 1.800.523.7010

Prior to using this product, consult the Safety Data Sheet for instructions regarding safe handling and environmental issues. The information contained herein is based on data available to us and is believed to be accurate. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA. THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT. Quaker Chemical Corporation assumes no liability for any alleged ineffectiveness of the product or any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is solely attributable to negligence on the part of Quaker Chemical Corporation. © 2016 Quaker Chemical Corporation. All Rights Reserved. 10/2016