



# TECHNICAL DATA SHEET

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MIL-P-8585A  
ZINC CHROMATE PRIMER  
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**PRODUCT:** A low-moisture sensitivity, corrosion-inhibiting zinc chromate primer.

**DESCRIPTION:** MIL-P-8585A Zinc Chromate Primer is a single component, zinc-chromate pigmented, low-moisture sensitivity primer primarily intended for spray application on surface treated aluminum or surface treated with pre-treatment coatings MIL-C-8514C or DOD-P-15328D. This primer may be used with or without top coating. When suitable thinned, this primer may be used for dip or flow-coat application.

**PROPERTIES:**

SOLIDS (Weight)..... 46% Minimum  
PIGMENT (Weight)..... 53% Minimum Zinc  
Chromate (Weight)..... 85% Minimum of Pigment  
COLORS.....Green & Yellow

**DRYING TIME:**

DRY HARD..... Within 15 Minutes  
GLOSS..... Not Over 6 Units  
SHELF LIFE.....1 Year  
THINNER..... MIL-T-81772B TY.III or TT-X-916

**ADVANTAGES:**

- (1). Corrosion Inhibiting
- (2). Use With or Without Topcoat
- (3). Fast Dry
- (4). Low-Moisture Sensitivity
- (5). Meets Government Specifications



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**SURFACE PREPARATION:** *Steel, Non-Ferrous Metals & Galvanizing.*

Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint. Clean in accordance with SSPC-SP-1. Most metals should be sanded, except aluminum, which must have a base coat of pre-treatment wash primer MIL-C-8514C, followed by one wet coat of TT-P-1757A. Alloys that oxidize must be lightly sanded to remove all loose material. Dirt and dust are best removed with a stiff bristle brush and by compressed air. For exterior use and non-ferrous metals, it is recommended that TT-P-1757A be applied over pre-treatment coating conforming to MIL-C-8514C or DOD-P-15328D. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. For immersion service, ask your Griggs representative for special surface preparation recommendations.

**MIXING/APPLICATION INSTRUCTIONS:**

Apply by spray, brush or dip to deposit a hiding coat of primer. A wet coat is necessary to secure maximum adhesion and corrosion inhibiting properties. For spraying, thin up to 15% by volume or as needed with thinner per TT-X-916 or MIL-T-81772B TY.III.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

CONTENTS ARE FLAMMABLE.