

DATA SHEET

DEVECO 410-NF

Deveco 410-NF is a single-dip trivalent liquid chromate product that provides a clear blue bright chromate conversion coating on electroplated zinc and delivers up to **48 hrs** protection to white corrosion in salt fog testing when operated per recommended conditions. This chromate does not contain any fluorides.

Deveco 410-NF can be used on barrel and rack zinc plating lines. It is equally effective on all electroplated zincs ranging from alkaline non-cyanide to acid chloride processes in both barrel or rack operations. **Deveco 410-NF** possesses high tolerance to impurities and yellowing. Fewer problems are encountered with zinc stripping from low current densities due to its low zinc removal properties.

Deveco 410-NF is economical due to its effectiveness at low concentrations and long life. Additions can easily be determined by visual inspection of the chromated parts.

MAKE-UP AND CONTROL:

Blue-bright, Mid-corrosion	Recommended	Range
Deveco 410-NF	2% by volume	1 to 3 % by volume
Temperature	100 °F	70 to 110 °F
Time	45 seconds	30 to 60 seconds
PH	1.8	1.5 to 2.5

ANALYSIS:

1. Add a 100 mls sample of the chromating solution into a flask.
 2. Add 1 to 2 mls of phenolphthalein.
 3. Titrate with 1.0 N Sodium Hydroxide solution to a pink end-point.
- NOTE:** The sample will become cloudy before the endpoint is reached.

Calculation: **Mls 1.0 N Sodium Hydroxide x 0.27 = % Deveco 410-NF.**

CAUTION:

This product contains chromates and is acid in nature. Contact of salts or solution with skin or eyes should be avoided. In case of contact, flush contaminated area with a large amount of water. When handling this product, protective clothing, i.e. rubber apron, gloves, boots, and goggles should be worn.

EQUIPMENT:

Deveco 410-NF solutions require polyethylene, stainless steel, or koroseal lined tanks.

Read Material Safety Data Sheet before using this product.

DISCLAIMER:

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