CHROLITE BL - 150

CHROLITE BL – 150 is a trivalent chromium based clear blue chromate passivation system designed to produce two to three times better corrosion resistance as compared to conventional hexavalent chromium based blue chromating system. The product is suitable for passivation of zinc deposits produced from cyanide, alkaline, chloride and cobalt zinc baths. It produces bright blue protective coating. The system does not attack the zinc deposit as in the case of hexavalent blue chromate.

SALIENT FEATURES

- Contains no hexavalent chromium, which in turn saves waste treatment costs.
- Consistently produces blue bright finish.
- Longer bath life and gives higher corrosion resistance.

OPERATING CONDITIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>CHROLITE BL – 150</td>
<td>50 - 80 ml/ltr</td>
</tr>
<tr>
<td>Nitric Acid (42º Be)</td>
<td>1.0 - 2.0 ml/ltr</td>
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<tr>
<td>PH</td>
<td>1.8 - 2.2</td>
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<tr>
<td>Time</td>
<td>20 - 30 sec.</td>
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BATH PREPARATION

Fill the tank 2/3 full of water and add required quantity of CHROLITE BL-150 and stir to dissolve. Add 1 ml/ltr of nitric acid and make up the level by adding water. Stir to ensure thorough mixing.

OPERATION:

Zinc plated components are thoroughly rinsed and then immersed in CHROLITE BL-150 bath to get a bright bluish finish followed by cold water rinses. Faster drying can be achieved by giving a final hot rinse. A pre-dip of 2 -3 ml/ltr. of nitric acid dip will further improve the finish.

MAINTENANCE:

The bath can be maintained by regular addition of CHROLITE BL-150. Approximately 10 ml per lit can be added after working 10 sq. ft. per ltr.

EFFLUENT TREATMENT:

The CHROLITE BL – 150 contains trivalent chrome compound. The pH has to be adjusted to 9.0 with lime and the precipitated heavy metals are to be removed and the clear liquid can be discarded.

CAUTION:

The CHROLITE BL – 150 concentrate and the operating solution are acidic in nature and these are to be handled with care. Nitric acid can cause severe burns to skin and eyes. Use protective clothing, safety glasses and face mask when using this material. In case of contact, flush the affected areas with good quantities of clean cold water.

NOTE:

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