ECOPASS UBL 600

ECOPASS UBL 600 is a trivalent chromium based clear blue passivation system designed to produce ultra blue passivation with two to three times better corrosion resistance as compared to conventional hexavalent chromium based blue chromating system. The finish obtained is as blue as the finish obtainable from conventional hexavalent chromium based blue passivations.

ECOPASS UBL 600 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>Parameter</th>
<th>Range</th>
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<tbody>
<tr>
<td>ECOPASS UBL 600</td>
<td>50 - 80 ml/ltr</td>
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<tr>
<td>Nitric Acid (42° 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 2/3rd full of water and add required quantity of ECOPASS UBL 600 and stir to dissolve. Add 1 ml/ltr of nitric acid and make up the level by adding water. Stir to ensure through mixing.

OPERATION:

Zinc plated components are thoroughly rinsed and then immersed in ECOPASS UBL 600 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 ECOPASS UBL 600. Approximately 10 ml per lit can be added after working 10 sq. ft. per ltr.

EFFLUENT TREATMENT:

The ECOPASS UBL 600 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.

http://www.rikochemicals.com
CAUTION:

The ECOPASS UBL 600 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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