

# **Instruction Sheet Black Chromating**

## **Black Chromting-BC-786**

Black Zinc Passivating Solution BC-786 provides low cost chemical bright dip for bright zinc coated components and produces an attractive Black passivated film of high corrosion resistance.

### **Solution Composition:**

For One liter of Black Passivation solution.

Passivating Solution Part I (BC-786 Part I)	=	100
Passivating Solution Part II (BC-786 Part II)	=	100
Water	=	to 1 Liters

### **Preparation of Solution:**

Fill the tank with  $\frac{3}{4}$  of working volume with de-ionized water or Distilled water and add BC-786 Part I and Part II in the given concentration. Stir well. Make-up the solution to the working volume. Adjust the pH to 1.8 with the help of Sodium Hydroxide.

### **Equipment:**

The tank should be of molded PE or PP, or made of steel with glass-reinforced fiber lining, or PVC lining.

### **Operating Conditions:**

Working temperature: Ambient. However under extreme cold conditions Less than 10°C) the temperature should be maintained above 10°C by titanium immersion heaters.

PH: 1.8 optimum

Immersion Time: 60 to 120 seconds.

### **Solution Maintenance:**

The solution can be maintained checking the pH time to time and adjusting by the addition of Sulphuric acid by 1ml/Liter of solution. If the required shade begins to fade while the pH of solution is at 1.8, prepare a new solution.