



## **Future Coat Technology**

### **ECLEAN 980**

Electro cleaner for iron and brass.

#### **PURPOSE AND USAGE**

ECLEAN E 980 permits electro cleaning of ferrous metal, brass, copper, zinc die casting, cast iron and stainless steel in the same tank.

No cyanide or organic chelating agents are contained in Electro cleaner Eclean 980.

#### **BENEFITS:**

- \* **Versatile: It may be used on iron, stainless steel, brass, copper zinc, nickel And most other metals.**
- \* **High detergent action.**
- \* **Rapid in cleaning it has good soil tolerance.**
- \* **ECLEAN 980 solutions have a good conductivity on metals for which it suggested.**
- \* **Mixes completely with water.**
- \* **Dust free.**
- \* **Non toxic.**

#### **HOW TO USE ECLEAN 980**

##### **Equipment:**

Mild steel tanks and heading coils are recommended fume extraction should be provided to control caustic fumes from hot solutions.

**As ECLEAN 980 :**

In general, reverse current (anodic) cleaning is recommended for all common metals, except for nickel and stainless steel which must be cleaned with direct current (cathodic ) to prevent passivation. If direct and reverse cleaning are both required, it is advisable to do direct cleaning and reverse cleaning in separate tank.

The following conditions are suggested:

<b>Metal</b>	<b>current density</b>		<b>ECLEAN 980 concentration</b>	<b>Temp</b>
Steel	5-10 A/dm <sup>2</sup>	50-100 ASF	60-75 g/1	40-70°c
Copper	2-6 A/dm <sup>2</sup>	20-60 ASF	30-70 g/1	25-50°c
Brass	2-5 A/dm <sup>2</sup>	20-50 ASF	30-50 g/1	30-50°c
Nickel	2-5 A/dm <sup>2</sup>	20-50 ASF	30-50 g/1	30-50°c
Stainless	2-5 A/dm <sup>2</sup>	20-50 ASF	30-50 g/1	30-50°c
Zinc die casting	2-5A/dm <sup>2</sup>	20-50 ASF	20-50 g/1	room-50°c
Other use	2-5 A/dm <sup>2</sup>	20-50 ASF	30-50 g/1	25 -50°c

**Soak cleaning:**

**Concentration** : from 30-75 g/1

**Temperature** : 60-90°c

**Time** : 2/5 minutes depending on soil quality and other conditions.

**As a tumble cleaner:**

**Concentration** : from 7-22 g/1

**Temperature** : 50°c or more

**Time** : 2/5 minutes depending on soil quantity and other Conditions.

**For stripping of chromium plate:**

**Concentration** : from 45-75 g/1

**Temperature** : room or higher

**Time** : until stripped – usually less than 2 minutes from 2 to 6 A/dm<sup>2</sup> 20-60 ASF) use reverse –anodic –cleaning)

**For cleaning chrome plate prior to clear organic finishing:**

**Concentration** : from 30-60 g/l

**Temperature** : 80°c

**Time** : 5/10 second if current is used. 2/3 minutes if used as soak Cleaner.

**Other conditions** : Use cathodic (direct) current 3-5 A/dm<sup>2</sup> 30-50 ASF)  
Otherwise used Electro cleaner E98 as soak cleaner.

**“The above information is given in good faith and based on our experience but no condition or warranty is to be implied”.**