



## WILAPLAT Gold Plating Baths

### Pre-Plating Gold Bath

Article No. 3070100102 AC 3 SSF, highly acidic

#### Description

Firmly adhering, hard, tarnish-resistant gold deposits are characteristic features of this bath. In addition to the conventional metallizable materials, this bath is also suitable for the treatment of stainless steels. The highly acidic electrolyte also has an enhanced activation power.

#### Application

WILAPLAT AC 3 Pre-Plating Gold Bath is for use in conventional electro-plating units such as the WILAPLAT-System. The pH value can be adjusted as required with diluted sulphuric acid. A degreased surface is precondition for the treatment.

#### Operating Data

<b>Gold Content</b>	3.0 g/l
<b>Temperature</b>	20-30°C
<b>Exposure Time</b>	10-25 minutes
<b>Voltage</b>	3.0-4.0 volts
<b>Current Density</b>	0.5-1.2 A/dm <sup>2</sup>
<b>Deposition Rate</b>	16 mg/Amin
<b>pH Value</b>	1.5-1.8
<b>Movement</b>	Movement of electrolyte or work pieces
<b>Anodes</b>	Platinized titanium
<b>Tank Material</b>	Glass, acid resistant plastic

#### Deposition Data

<b>Density</b>	18.2 g/cm <sup>3</sup>
<b>Hardness</b>	approx. 110 HV
<b>Layer Thickness</b>	< 6 µm

#### Supply Forms

Up to 60 l ready for use, then as make-up concentrate  
Dissolve the make-up mix in half of the final volume and fill up. The regeneration concentrate contains 100.0 g Au/l

#### Regeneration

After analysis, add regeneration concentrate as required.

#### General

For longer standing times, it may be necessary to rehomogenize the bath.

#### Warning!

Chemicals and materials used in electro-plating techniques can be corrosive or poisonous. During use, storage, transportation and disposal the relevant guidelines must be observed.

For further information see the EEC Safety Data Sheets