



## PINK ROSE

## Technical Chart

Aussiemet Superbright PINK ROSE is 1 ltr ready to use bath for rose gold solution. This process is suited for decorative application or any other application which requires gold flash plating color. The main characteristic of the bath is as follows:

- Bright Deposition
- Flash gold plating solution
- Working temperature at 60 °C
- Good throwing power

### Technical Specification

Operating temperature:	60 °C
pH-value:	Between 9-11
Voltage:	3 - 6 volts optimum at 4 volts
Time of Exposure:	up to 60 sec optimum at 35 sec
Anodes:	Platinum or Ti/Pt or stainless steel AISI 316

### Deposition Data

Fineness:	99.9 %
Colour:	brilliant
Hardness:	90-100 HV
Thickness:	0.1 to 0.2 um

## Equipment

For small installations (within 5 litres), heat resistant glass vessels are satisfactory.

For larger installations, Polypropylene or PTFE lined tanks are suitable and must have the following:

Rectifier with an Ampere meter and Volt meter producing a DC output with less than 5% ripple. Ampere minute meter

Platinised (2.5.micron Pt) titanium anodes or stainless steel AISI 316

Filter pump with 5 – 15 micron polypropylene cartridge

**Note:** In order to avoid organic pollution it is recommended to wash and boil the cartridge before using

## Additional Information

### PRETREATMENT

- Electroclean and ultrasonic clean parts to ensure they are free from grease.
- Rinse with deionised water.
- Activate parts in 10% v/v Sulphuric Acid for about 10 - 20 secs.
- Rinse with deionised water.
- Dry.

### pH Rectification

Use potassium hydroxide to high the pH.

### Demineralised water

To prevent contamination of the bath, both during its preparation and in any subsequent topping up operations, use demineralized water with a conductivity of less than 3  $\mu$ S/cm any organic compounds, containing no traces of any organic compounds, Silicon or Boron).To achieve maximum deposit quality we recommend using our high-grade purity WATER.

## Agitation

For maximum performance, particularly in terms of colour, do not use excessively vigorous agitations. So, for processing tanks containing considerably large volumes agitation of the solution using a magnetic drive filter pump of not too high a capacity is recommended, while for containers of modest size moderate agitation of the pieces is adequate.

## Temperature

Optimum performances are obtained at 60°C working temperature.

Note:

Aussiemet always recommends:

1. Before handling any ordered product please carefully read the relevant MSDS.
2. Please treat spent solutions in accordance with the in place regulations.



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