



AM1black+

Technical Chart

Aussiemet AM1black+ Superbright is Black rhodium solution for decorative using pen plating rectifier.

The main feature highlighted as below:

- Bright Pleasing Deposit Appearance
- Controlled Deposition Speed
- Can be used at room temperature
- Abrasion resistant light and bright coatings
- Meets Nickel Free Requirements

Technical Specification

Rhodium Content:	1 g Rh/50 ml
Operating temperature:	room temperature (20-30 °C)
pH-value:	< 1, strongly acidic
Voltage:	8 - 10 volts (maximally 12 volts)
Deposition speed:	approx. 0.1 µm can be reached if 1 cm ² is treated for about 30 seconds while the movement is constant.

Deposition Data

Coating:	Rhodium
Fineness:	99.9 % Rh
Colour:	Shiny Black
Hardness:	800 -850 HV

Equipment

- A tampon pencil including a supply of tampon tips.

This pencil is normally a plastic holder with a connection to the rectifier. The absorbent and exchangeable tampon tips are inserted into a suitable contact socket at the front end of the holder.

- Brush rhodium-plating bath Aussimet Superbright AM1black+.
- Rectifier with adjustable voltage up to at least 10 volts.

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

OPERATING PARAMETERS

The baths will normally be used in hand held equipment specifically designed for Decorative Brush Plating. This equipment is similar to a pen and the following sequence is commonly used.

- I. Pour out a small amount of Aussimet's brush plating solution in a dish
- II. The brush pen tip is dipped in the solution contained in the dish to wet the pad material.
- III. The part to be plated is made cathodic.
- IV. The pen tip is rubbed against the selected area to be plated whilst a DC Voltage is applied across the circuit.
- V. Typically plating times are a few seconds only.
- VI. Keep 'used solution' in a separate container. [Do not contaminate the original Brush Plating Solution with the used solution.]

SAFETY INFORMATION

Caution: Superbright Aussiemet AM1black+ is a corrosive to the skin, eyes and mucous membranes. Caution should be exercised when using the product, avoiding contact with the eyes and skin. Use gloves and safety goggles.

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.



Aussiemet

Website: www.aussiemet.com.au,

Email: info@aussiemet.com.au, sales@aussiemet.com.au,

89 SOMERSBY CIRCUIT, ACACIA GARDENS, NSW 2763, AUSTRALIA