

PROCIRC 900

Chemical Polish

INTRODUCTION

Procirc 900 is an acid immersion process which polishes and smooths copper surfaces. It has been formulated to minimise the liberation of nitrous fumes.

Procirc 900 was specifically developed for the preparation of copper edge connectors of circuit boards before gold plating. By levelling and brightening the copper surface it allows pore-free gold deposits to be obtained at minimum thickness.

BENEFITS

- Leaves copper surfaces bright and smooth.
- Minimal nitrous fumes.

SOLUTION MAKE -UP

Procirc 900 Chemical Polish

Supplied ready to use

OPERATING DATA

Concentration	100%
Temperature	20- 25°C
Time	1 – 5 minutes
Extraction	Recommended.

EQUIPMENT

Tanks	Polypropylene or PVC lined steel.
Heaters	PTFE immersion heaters with thermostatic control.

INSTALLATION

It is essential that the tanks to be used for Procirc 900 are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact PMD Technical Department.

1. Fill the clean dry tank with Procirc 900.
2. Heat to operating temperature.

PROCESS SEQUENCE

1. Soak clean - Procirc 901 or Procirc SP264
2. Rinse
3. Dry
4. Procirc 900 1 – 5 minutes
5. Rinse
6. Continue dependant on application.

MAINTENANCE AND CONTROL

Procirc 900 should be used until the polishing action deteriorates then replaced. As a guide, one litre of Procirc 900 should process 100dm² of copper surface area.

NOTES

Process time - One minute immersion will give a brightening action. 2 - 5 minutes will have a smoothing / polishing effect, the longer times being necessary for poor quality substrates. Approximately 1.0 micron/minute copper will be removed.

Water drag-in - If excessive water is dragged into the Procirc 900 there will be a danger of pitting / etching of the copper.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Procirc 900 Chemical Polish	907001

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