



PROCIRC 1105

Resist Stripper

INTRODUCTION

Procirc 1105 Resist Stripper is an aqueous solution specifically formulated to remove aqueous and semi aqueous dry films and screening inks used in the manufacture of printed circuit boards. It contains powerful penetrants in order to achieve a fast and complete strip.

BENEFITS

- Fast removal of photo resist and screen inks
- Excellent clean copper finish for AOI
- No attack of plated tin-lead
- High capacity giving long bath life

SOLUTION MAKE -UP

Procirc 1105 Resist Stripper 5-20% v/v with water

NB. During the use of Procirc 1105 Resist Stripper in spray applications, the use of an antifoam may be required.

Foam can be controlled using Procirc Antifoams, contact PMD for further information.

OPERATING DATA

Concentration	5 – 20% v/v in water
Temperature	45 – 55°C
Agitation	Preferred but not essential
Extraction	Recommended

EQUIPMENT

Tanks	Stainless steel, polypropylene or unplasticised PVC.
Heaters	Teflon coated, titanium, PTFE, Stainless Steel, all with thermostatic control.
Filtration	Rotary drum, bag or hydrocyclone recommended.



INSTALLATION

It is essential that the tanks to be used for Procirc 1105 Resist Stripper 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 empty tank with the appropriate volume of water.
2. Add the required volume of Procirc 1105 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Resist Strip in Procirc 1105 Resist Stripper.
2. Rinse.
3. Rinse.
4. Continue dependant upon application.

MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary.

(See analysis methods).

Evaporation losses should be replaced with water.

Concentration losses should be replaced with Procirc 1105 Resist Stripper.

ANALYSIS METHOD

Reagents

1N hydrochloric acid (standard volumetric solution)

Chlorophenol Red Indicator

Method

1. Pipette 10ml working solution into a 250ml conical flask.
2. Add approximately 50ml DI water.
3. Add 6-8 drops Chlorophenol Red Indicator solution.
4. Titrate with 1N hydrochloric acid to a yellow end point.
5. Record titre = t mls

Calculation

$t \times 1.52 = \% \text{ concentration MFS 1105 Resist Stripper}$

Replenishment

For every 1% drop in concentration add 10ml/L Procirc 1105 Resist Stripper.

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 1105 Resist Stripper	945042

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