

PROCIRC 1522

Acid Cleaner

INTRODUCTION

Procirc 1522 Acid Cleaner is a specially formulated cleaner/conditioner for copper which is designed to provide a powerful cleaning action. It is useful in all dip applications of pcb manufacture.

BENEFITS

- High detergency removes finger prints and tarnish.
- Suitable for use in dip lines at all stages of PCB manufacture.

SOLUTION MAKE -UP

Procirc 1522 Acid Cleaner 15 - 20% v/v with water.

OPERATING DATA

Temperature	35 - 45°C
Time	3 – 5 minutes
Agitation	Gentle movement preferred.
Extraction	Recommended.

EQUIPMENT

Tanks	Polypropylene, unplasticised PVC.
Heaters	PTFE or Teflon coated with thermostatic control.

If in any doubt as to the compatibility of equipment contact PMD Technical Department.

INSTALLATION

It is essential that the tanks to be used for Procirc 1522 Acid Cleaner are cleaned and leached thoroughly before any product is added.

If in any doubt as to the cleaning procedure contact PMD (UK) Limited Technical Department.

Fill the clean empty tank with the appropriate amount of water.

- Add the Procirc 1522 Acid Cleaner and mix thoroughly.
- Heat to operating temperature.



PROCESS SEQUENCE

Clean in Procirc 1522 Acid Cleaner.

1. Rinse.
2. Rinse.
3. Continue dependent upon application.

MAINTENANCE AND CONTROL

The solution should be regularly analysed and replenished as necessary (see analysis methods).

THROUGHPUT

Under optimum processing conditions it is recommended that the bath be discarded after approximately 400 dm² (40 ft²) laminate per litre of working solution has been processed.

ANALYSIS METHOD

Reagents

1.0N Sodium Hydroxide (Standard Volumetric Solution)
Phenolphthalein Indicator.

Method

Pipette 10ml working solution into a 250 ml conical flask.

1. Add approximately 50 ml water and mix thoroughly.
2. Add 2 – 3 drops of phenolphthalein and mix thoroughly.
3. Titrate with 1.0N Sodium Hydroxide to the first permanent pink end point.
4. Record titre = t mls.

Calculation

$t \times 1.08 = \% \text{ v/v Procirc 1522 Acid Cleaner.}$

Replenishment

For every 1% drop in concentration add 10 ml/l Procirc 1522 Acid Cleaner.

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 1522 Acid Cleaner	907002

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