



PROCIRC 9623

EC ACCELERATOR

INTRODUCTION

Procirc 9623 EC Accelerator is used after the Procirc 9620 EC Activator. It gives faster initiation of electroless copper plating and improved adhesion.

BENEFITS

- Improved copper adhesion and uniformity.
- Reduces drag in of catalyst to the electroless copper to give improved stability.
- Non fluoride.

SOLUTION MAKE -UP

Procirc 9623

100ml/L

OPERATING DATA

Procirc 9623	80 - 100ml/L
Time	2 – 6 mins
Temperature	20 - 30°C
Agitation	Work movement.

EQUIPMENT

Tanks	Polypropylene or PVC lined tanks.
Heaters	PTFE.
Filtration	5 – 10µm cartridges
Extraction	Recommended

INSTALLATION

It is essential that the tanks to be used for Procirc 9623 EC Accelerator are thoroughly cleaned and leached before any product is introduced.

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

1. Half fill tank with deionised water to the tank.
2. Add the Procirc 9623.
3. Top up to volume with deionised water and mix well.
4. Heat to operating temperature.



MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary. (See analysis method).

The bath can be replenished on a throughput basis. For every 10m² panel processed add 400ml Procirc 9623

The solution should be changed when 2.5m²/L panel has been processed.

ANALYSIS METHODS

1. Procirc 9623

Reagents

Methyl orange indicator
1N sodium hydroxide (Standard volumetric solution)

Method

1. Pipette 10 ml of the bath into a 250 ml conical flask.
2. Add 100 ml D.I. water
3. Add 2-3 drops of methyl orange indicator.
4. Titrate with 1N sodium hydroxide to a yellow end point.
5. Record titre = t mls.

Calculation

$t \times 7.04 = \text{ml/L Procirc 9623}$

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 9623	967023
Procirc 9620 EC Activator Part P	967020

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