

PMD (UK) LTD PROCESS DATA

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607-05/02

ISSUE 3
PREV 2

PMD CLEANER 607

INTRODUCTION

PMD Cleaner 607 is an extremely effective etch cleaner process for aluminium prior to chromate conversion and zincate processes.

It is designed to operate with a foam blanket to prevent excessive misting.

BENEFITS

Extremely effective etch for aluminium.

Foam blanket to reduce misting.

Free rinsing surfactants help prevent staining.

Economical, effective cleaning over a long life.

SOLUTION MAKE-UP

PMD Cleaner 607	35-75g/L Optimum 50g/L
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OPERATING DATA

Temperature	20 - 60° C
Time	30 seconds - 5 minutes

EQUIPMENT

Tanks	Stainless steel, Polypropylene, Polyethylene, Unplasticised PVC, Titanium
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Heaters	Teflon coated, PTFE or Titanium with thermostatic control.
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INSTALLATION

Equipment to be used for PMD 607 Cleaner should be cleaned thoroughly before any product is added.

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

1. Half fill the equipment with clean water.
2. Add, with constant stirring, the required amount of PMD Cleaner 607
3. Continue stirring until all solids have dissolved.
4. Make up to correct volume with clean water.
5. Mix well and heat to operating temperature.

Note: The temperature of the solution will rise as PMD Cleaner 607 dissolves.

PROCESS SEQUENCE

The following is a typical process sequence for cleaning aluminium which has been shown to give excellent results. If in any doubt as to the correct process sequence, contact PMD (UK) Limited Technical Department.

1. Soak Clean, PMD Cleaner 505
2. Rinse
3. PMD Cleaner 607
4. Rinse
5. Rinse
6. Continue dependent on application

MAINTENANCE AND CONTROL

The solution should be regularly analysed and replenished as necessary.

Evaporation losses should be replaced with water.

Concentration losses should be replaced with PMD Cleaner 607.

The solution should be discarded and a fresh one made up when replenishment does not regain performance.

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ANALYSIS METHOD

Reagents

1.0N sulphuric acid
Methyl orange indicator.

Method

1. Pipette a 10.0ml sample of the working solution into a 250ml conical flask.
2. Add approximately 50ml of deionised water and mix well.
3. Add 2-3 drops of methyl orange indicator and mix well.
4. Titrate with 1.0N sulphuric acid to an orange/red end point.
5. Record titre = t mls.

Calculation

$t \times 5.06 = \text{g/L PMD Cleaner 607.}$

Replenishment

For every 1g/L low add 1g/L PMD Cleaner 607

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products or product families are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
PMD Cleaner 505	206001
PMD Cleaner 607	206031

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