

ECONOVATE C

INTRODUCTION

Econovate C is an acidic process which has been specifically developed to replace chromic acid etching of magnesium die castings prior to electroless nickel plating.

BENEFITS

Chromate free

Creates ideal surface topography for adhesion

SOLUTION MAKE-UP

Econovate C	125g/L
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OPERATING DATA

Concentration	100 – 150g/L
Temperature	Ambient
Time	60 – 90 secs
Agitation	Not required
Extraction	Recommended.

EQUIPMENT

Tanks	Polypropylene, PVC
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INSTALLATION

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

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

1. Half fill the tank with water
2. Add the required amount of Econovate C and stir to dissolve.
3. Make up to volume with water and mix thoroughly.

MAINTENANCE AND CONTROL

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

ANALYSIS METHODS

Reagents

1N sodium hydroxide (standard volumetric solution)
Phenolphthalein indicator

Method

1. Pipette 10.0mls of the solution into a 250ml conical flask.
2. Add 100ml DI water and a few drops of phenolphthalein indicator.
3. Titrate to a pink end point with 1N sodium hydroxide solution.
4. Record titre = t mls.

Calculation

$t \times 7 = \text{g/L Econovate C}$

Replenishment

For every 1g/L low add 1g/L Econovate C.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
Econovate C	227006

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