

PMD (UK) LTD PROCESS DATA

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MFS1240-01/03
ISSUE 2
PREV 1195-1

MFS 1240 **HASL FLUX**

INTRODUCTION

MFS 1240 HASL Flux is a heat stable organic flux used in vertical hot air levelling.

It is water soluble, non-foaming and is easily removed by rinsing the printed circuit boards in water.

MFS 1240 HASL Flux shows very little carbonisation.

BENEFITS

Non-drying, therefore blanketing the molten solder to prevent re-oxidation as well as preventing solder balls sticking to the solder mask or laminate.

First time coverage of difficult SMD pads.

High SIR-values better than 10^{10} Ohm can be obtained in vertical HASL.

Complete edge coverage.

Suitable for flexible circuits.

SOLUTION CHARACTERISTICS

Specific gravity (25°C)	1.1-1.2g/cm ³
Viscosity (25°C)	450cps
Flash point (COC)	>280°C

EQUIPMENT

Can be used in dip or roller applications.

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INSTALLATION

It is essential that the tanks to be used for MFS 1240 HASL Flux are thoroughly cleaned before any chemistry is introduced.

Contact PMD (UK) Limited Technical Department for appropriate procedure.

PROCESS SEQUENCE

1. Microetch in Procirc 921, 923 or SP263 Microetch.
2. Rinse.
3. Dry (Preferable).
4. MFS 1240 HASL Flux application (roller or dip).
5. Solder level.
6. Wash off.
7. Dry.

MAINTENANCE AND CONTROL

Under optimum processing conditions it is not necessary to carry out analytical maintenance and control in order to maintain the performance of this product.

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>
MFS 1240 HASL Flux	997040
Procirc 921 Microetch	923001
Procirc 923 Microetch	927001
Procirc SP263 Microetch	923003

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