FREE OF VOLATILE ORGANIC COMPOUNDS (VOC)

FLOW SOLDERING FLUX TYPE WBF01

SOLDERING FLUX TYPE WBF01 - In response to EEC directive 97/C/99/02 (March 1997), following international agreements for protection of the environment, M.B.O. laboratories have developed, in conjunction with major electronics manufacturers, this special water based flux for the electronics industry.
Available in two types WBF01DS for spray applicators and WBF01DM for foaming type applicators, overall specifications are the same.

WBF01 Contains a very low volume of dry extract for "non-residue" classification.
WBF01 Flow soldering performance is equal to Alcohol Solvent based fluxes.

The carrier of this flux is water, offering very real benefits of economy in eliminating all hazards of handling, storage and shipping as are common with alcohol based fluxes.

Physiochemical Characteristics:

Solution	: Water (Resistivity > 10^6 ohms)
Colouration	: Colourless
Density at 20°C	: 1.003 (Preset).
Dry extract	: < 3%
Chlorine rate	: Nil
Acidity	: 22 mg/ml
Corrosiveness	: Nil
Insulation resistance	: > 10 GΩ
Efficiency (SAR)	: <30° SAR – Grade III
Ionic Contamination	: <3µg/cm² (After double wave application)

Application Notes:

- **WBF01** flux is supplied in containers ready for use.
- **WBF01** flux performs most efficiently when used in flow solder machines using spray applicators.
- For flux applied by spray it maybe be necessary to adjust the air pressure in the spray nozzle using the pump controller and/or the conveyor speed to reach optimum performance.
- Printed Circuit Board preheat temperature, after fluxing, should be around 120°C on the component side of the circuit board and around 110°C on the solder side of the circuit board.
- The solder bath temperature containing the Sn63pb37 alloy should be around 240 - 250°C.
- Although residues are minimal, where further cleaning is essential, they remain totally water soluble.

Packaging:

Throwaway HDPE containers, 10 litres.

Storage:

Store in original hermetically sealed containers, stored at an ideal temperature near 20°C for 12 months maximum.

MBO UK – Mill End – Standon – Ware – Herts – SG11 1LR
Email : info@mbouk.co.uk
Website : www.mbouk.co.uk
Tel : +44(0)1920 823 999
Fax : +44(0)1920 823 631