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== TECHNICAL DATA ==

CIRCUIT CHEMICALS
PRODUCT RANGE

Hot Air Leveling Flux 1260EM
Hot Air Leveling Flux 1270EM
Hot Air Leveling Flux 1275EM

- for PTH and surface mount work with photoimageable, two-pack or UV solder masks -

Description: **BLT Hot Air Leveling Fluxes 1260EM, 1270EM** and **1275EM** have been formulated to provide PC manufacturers with a choice of product to suit all types of printed circuit and solder mask.
BLT 1260EM, **1270EM** and **1275EM** produce level, brilliant solder deposits with minimal flux residue.

Benefits:
* Free rinsing in warm water
* Low smoking
* Non offensive odour
* Complete wetting
* Uniform tin-lead and lead free coverage
* No Solder pick-up
* Good laminate and solder mask protection
* Low foaming in rinse water.

Application:

(a) Product Selection

1260EM and **1270EM** are medium viscosity products and **1275EM** is high viscosity. Following is a guide to the recommended product for specific board design and solder mask type. All three products can be applied to all types of printed circuit and solder mask under certain conditions to avoid solder pick-up.

PC Description	Solder Mask Type	Recommended Product
PTH	2 Pack or UV	**1260EM, 1270EM**
PTH	Photoimageable	**1275EM**
PTH/Surface Mount	All	**1260EM, 1270EM**
Multilayer	All	**1275EM**
Multilayer/Surface Mount	All	**1260EM, 1270EM**

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(b) Pre-Cleaning

Copper should be thoroughly degreased and micro etched prior to flux application. **Copperwet 1130 & 1171** have been formulated specifically for this application and are suitable for use in spray equipment.

(c) Flux Application

Ideally **1260EM**, **1270EM** and **1275EM** should be applied using automatic, soft roller coating units but can be applied by dipping and allowing excess flux to drain off the boards.

(d) Rinsing

Spray rinsing with warm water is recommended to ensure complete removal of all flux residues.

(e) Equipment

1260EM, **1270EM** and **1275EM** can be used with commercially available Hot Air Levellers. The products will slowly attack stainless steel and so should not be stored in stainless steel tanks.

(f) Process Control

It is normally acceptable to "top-up" flux reservoirs with new flux to compensate for drag out. However if the leveller is used intermittently then it is advisable to periodically drain the flux reservoir and refill with new flux.

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(g) Consumption

1260EM & 1270EM – 5-10m² per litre depending on applicator system.
1275EM – 4-7m² per litre depending on applicator system.

Physical Properties:	**1270EM**	**1275EM**	**1260EM**
Appearance	Viscous Pale Yellow Liquid	Very viscous Yellow Brown Liquid	Viscous
S.G at 20°C	1.085	1.10	1.080
pH (10% solution)	1.2	2.0	1.2
Flash Point	> 250°C	>250°C	>250°C
Pour Point	5°C	5°C	5°C

NOTE- Do not allow products to freeze as separation will occur if the products solidify.

Handling Precautions: Provide extraction to remove fumes form the work area.

Avoid contact with skin and eyes.

Wash spillages with water.

Refer to separate Material Safety Data Sheet.

Disposal of Spent Baths & Spillages: Rinse Spillages with water.

Spent baths should be removed for controlled incineration.