



Metallic Resources



MetaFlux™ HL-1200 Product Bulletin

Water Based HASL Flux

Metallic Resources' MetaFlux HL-1200 is a VOC-Free flux specially formulated for Tin/Lead and Lead Free Hot Air Solder Leveling (HASL) applications. MetaFlux HL-1200 is water-soluble which does not require organic solvents for cleaning.

It is available in 5-gal. pails and 55-gal. drums.

Vertical and Horizontal HASL Processes

MetaFlux HL-1200 is specially designed for HASL processes in both vertical and horizontal PCB fabrication processes.

Advantages

MetaFlux HL-1200 has a superior wetting property and yields shiny, uniform and flat post soldering surface. It is environmentally friendly and non-flammable. The PC boards have a high SIR value after cleaning.

Application Directions

MetaFlux HL-1200 can be used by normal roller process, as well as spray and dipping techniques. Although it is not necessary, preheating prior to immersion into the solder reduces or eliminates solder spattering. A water temperature of 60°C/140°F is recommended for optimum cleaning results.

Physical Properties

Form	Clear liquid
Color	Colorless
Specific Gravity	1.015 ± .005 g/cc @ 68°F (20°C)
Density	8.44 lb./gal.
Flash Point	None

MetaFlux HL-1200 is RoHS Compliant.

Safety Precautions

MetaFlux HL-1200 is water based, but should be stored in plastic containers away from heat. Use adequate ventilation to remove fumes. Avoid contact with eyes and skin and avoid breathing vapors. This product has a one (1) year shelf life. Refer to the Safety Data Sheet (SDS) for additional information. It is recommended that process equipment that comes into contact with the flux, including the flux tank, should be cleaned with distilled water and/or alcohol before and after exposure to the flux.



Metallic Resources, Inc.

Ph: 330.425.3155 | Fax: 330.425.2180

2368 E. Enterprise Parkway | Twinsburg, OH 44087

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