

ALPHA[®] 102-1500 FLUX

DESCRIPTION

ALPHA 102-1500 flux is a solution of high purity modified rosin in inert solvents. This non-spattering, low fuming flux is specifically formulated for microelectronic applications. It promotes wetting and retards the scavenging of thick and thin film deposits by the solder.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

Flux residues are non-conductive and non-hygroscopic and are, therefore, considered to be non-corrosive. While it is recommended that flux residues be removed after soldering for critical assemblies, no corrosion or current leakage will occur if some residues remain. For effective removal of flux residue, the following cleaners, available from Alpha, can be used: 564, 2110, Armakleen and BIOACT.

APPLICATION GUIDELINES

This flux is recommended for use on all solderable surfaces, such as on gold and copper thin films and thick film materials including palladium/gold, gold, palladium/silver, platinum/gold, palladium/platinum/gold, silver and copper. Substrate soldering, lead attachment and hermetic sealing are some of the end applications.

In addition, this flux is effective on the following metals, provided the surfaces are not excessively passivated:

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|------------------|--------------------------|
| Cadmium (Plate) | Tin Plate (Electrolytic) |
| Solder (Plate) | Tin-Zinc (Plate) |
| Tin (Hot Dipped) | Terne (Plate) |

ALPHA 102-1500 can be applied by brushing, dipping, spraying or other conventional methods.

TECHNICAL DATA

| Typical Values | Physical Properties |
|---------------------------|---------------------|
| Specific Gravity @ 25 °C | 1.060 ± 0.020 |
| Flash Point (COC) | 101 °C (214 °F) |
| Free Acidity, Halides | NONE |
| Percent Solids, ± 2% | 67 |
| Typical Viscosity @ 25 °C | 1,500 cps. |
| IPC J-STD-004 Designation | ROL0 |

AVAILABILITY

ALPHA 102-1500 Flux is available in 1 gallon containers.

RECYCLING SERVICES

We provide safe and efficient recycling services to help companies meet their environmental and legislative requirements and at the same time, maximize the value of their waste streams.

Our service collects solder dross, solder scrap, and various forms of solder paste waste. Please contact your local sales representative for recycling capabilities in your area or [link here](#).



SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available at MacdermidAlpha.com/assembly-solutions/knowledge-base.**

CONTACT INFORMATION

To confirm this document is the most recent version, please contact
Assembly@MacDermidAlpha.com
www.macdermidalpha.com

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| <p>North America 109 Corporate Blvd. South Plainfield, NJ 07080, USA 1.800.367.5460</p> | <p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 44.01483.758400</p> | <p>Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100</p> |
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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