

ALPHA[®] RMA 390 DH7

DESCRIPTION

ALPHA RMA 390 DH7 is a rosin-based halide free, ROL0 paste flux designed for a broad range of applications and alloys. This is an ideal paste flux for reworking tin/lead or lead free BGA components.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

PRODUCT INFORMATION

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| <u>Viscosity (MALCOM):</u> | 190 to 430 poise, 10 rpm @ 25 °C |
| <u>Fineness of Grind:</u> | < 10 micrometer |
| <u>Acid Number (mg KOH/g):</u> | TBD |
| <u>Halogen Content:</u> | Halogen Free |
| <u>J-STD-004B SIR (pass >10⁸):</u> | Pass |

APPLICATION GUIDELINES

The flux may be applied by screen printing or pin transfer (substrate) or doctor blade / dip coating.

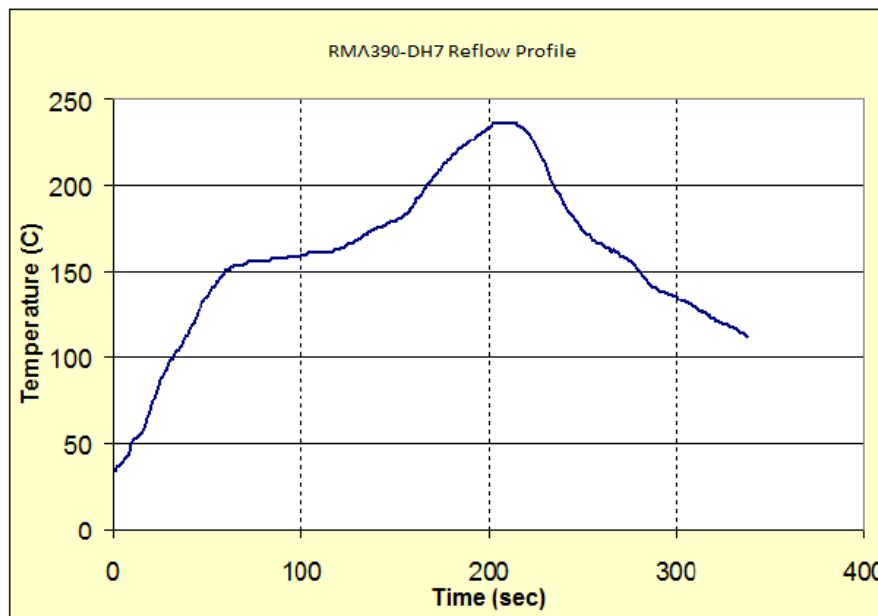
PROCESSING GUIDELINES

Cleaning

RMA 390 DH7 can be safely left on the circuit board after reflow without cleaning. If cleaning is desired, most commercial electronic assembly cleaning solvents are effective, including Alpha 565, Bioact EC-7, or EC-7R. Bioact is a semi-aqueous cleaner designed to meet the most demanding cleaning requirements with complete environmental compatibility.

REFLOW PROFILE

Reflow can be accomplished in dry air or nitrogen controlled atmosphere. The initial ramp rate should be 1 to 3 °C per second. If necessary, a dwell of 1 to 2 minutes at 120 to 160 °C is acceptable. Following this equilibrating period is a ramp of 0.5 to 1 °C per second to a peak temperature of 220 to 240 °C peak depending on alloy. An example of acceptable reflow profiles is diagramed below.



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.**

STORAGE

ALPHA RMA 390 DH7 should be stored in sealed containers and need not be refrigerated. Shelf life of unopened containers is nominally 6 months. If the material has been chilled, the container should be allowed to reach room temperature before opening in order to prevent moisture condensation from ambient air onto the flux.

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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