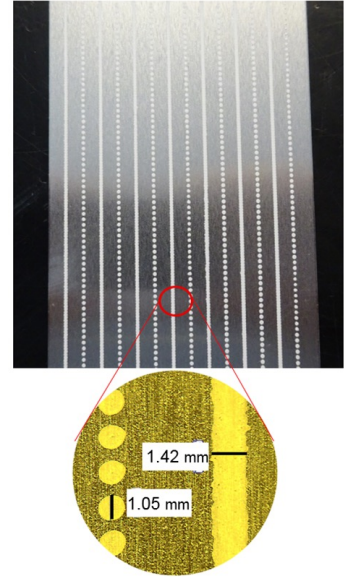


HONEYWELL JET APPLIED BRAZING FLUX: JETFLUX 40 MF 6.1

BENEFITS

- Contactless fluxing from small and complex to large cooling plates by high speed and precise dosing.
- Partial fluxing with digital print technology enables lower flux usage and reduced costs.
- Up to 95% reduction in post braze flux residue.
- Ability to control flux dosage reliably for each part therefore reduced risk of corrosion and abrasion of your brazed parts leading to improved product lifetime
- Digital printing, jet valves and piezo assisted dispensers in vertical (top-down and bottom-up) and in horizontal directions allows clean application with high throughput while multiple parts can be simultaneously fluxed.
- Narrow particle size distribution with control of maximum particle size to prevent clogging of jet nozzles.
- A unique multi-constituent phase material with amorphous amounts providing an exceptionally low melting temperature, saving up to 20% brazing time for full surface wetting and improved cleaning and oxide removal before filler metal melt begins. This ensures best possible braze joint preparation and filler metal flow.



PRODUCT DATA SHEET


Product Name	Honeywell Jet Applied Brazing Flux: Jetflux 40MF 6.1
Description	Non-corrosive Honeywell Jet Assisted Brazing Flux made of Honeywell Potassium Fluoroaluminate (Al-Flux 2805) and water-based carrier system with organic binder
Main use	Brazing of aluminum alloys in the CAB furnace
Method of Application	Partial fluxing using contactless jet dispensers

TYPICAL PHYSICAL PROPERTIES

Appearance	White paste	Potassium (K)	9.5-11.0 %
Onset of melting (flux)	<555° C / < 1031°F	Aluminium (Al)	6.5-7.2 %
Debinding (organic)	300-400 °C / 572-752 °F	MFFT	0 - 10 °C / 32 - 50 °F

TYPICAL CHEMICAL PROPERTIES

APPEARANCE OF PACKING

Type	Net Weight	Dimensions	
Cartridge with Luer Lock adapter	1.2 kg / 2.64 lb	68 x 370 mm (DxH) 2.67 x 14.56 in	

APPLICATION

- Store in closed container, prevent drying or freezing
- Use a contactless dispenser, e.g. the PICO Pulse system from Nordson EFD for jetting lines or dot patterns
- Apply of 0.01 - 0.05g per running meter with a 10% tolerance
- Recommended settings for 0.035g/m flux load: Use 300 μ m nozzle, 1 bar media pressure and 250 Hz
- Dry coating weights are very easy to change via the media pressure (1:100 range), the jetting frequency (up to 400 Hz) or the nozzle diameter.
- Jetflux 40MF 6.1 dispense can be varied to generate continuous lines or flexible dot matrix geometries. Contact us for recommendations and flux residue calculations for your design..

SAFETY

- Please see Material Safety Data Sheet (MSDS) for additional information



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For more information:

to contact us, please visit:

<https://advancedmaterials.honeywell.com/us/en/applications/brazing-solutions>

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