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Description and Instructions for use of

NCRW-420

No Clean Rework Flux

NCRW-420 is a no clean rework flux for PCB repair. It can also be used for BGA and flip chip attach. It is dispensable and normally comes in syringes, but can also be printing, “doctor blade” applied or dipped. Viscosity adjustments can be made to optimize these application techniques.

It is designed to reactivate the surface of metal layers and prepare them to wet to solder. It is designed to work with Tin Lead and No Lead Alloys (62/36/2, 63/37, SAC305, SAC405) that reflow in the temperature range of 220 – 280°C.

Solder reflow can be done with a soldering iron, a profiled oven, a hot plate or other technique that melts the solder in less than 1-2 minutes above liquidus.

Special Advantages

- Tacky – it stays where you put it
- Long life at room temperature, on the board and in a printer
- Prints well with great definition
- Excellent wetting to most surfaces with low voiding
- Clear residue and low order

Packaging

Color: Generic 10cc syringe is standard, but cartridges, other syringe types and jars are available on request

Viscosity

200 – 400Kcps – in dispensing range, but still has great dispensed definition

Tack Value

20-35g force – holds parts in place

Cleaning

IPA or other solvent

Storage and Handling

Can be stored at room temperature, but refrigeration prolongs life. Store tip down – do not freeze (causes material to agglomerate and become lumpy)

Test results

Test	Standard	Result
Flux	IPC-TM-650 2.3.35	RELO
Copper Mirror	IPC- TM-650 2.3.32	Pass
Sliver Chromate	IPC - TM-650 2.3.33	Pass
SIR	IPC - TM-650 2.6.3.3	2.7X10 ¹⁰ - Pass