



Qualitek Group Of Companies

free  
halogen®

## Qualitek DPF 800UV HALOGEN-FREE PASTE FLUX

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**Description**

DPF 800UV is a no-clean halogen free paste flux designed for a broad range of applications. In addition, UV pigment has been incorporated to facilitate inspection. It can be used for BGA/CSP ball attach including rework and touch-up. This flux is highly compatible with Cu-OSP, electrolytic Ni-Ag, ENIG and immersion silver pads.

It is also designed to accommodate a wide range of reflow temperatures and is suitable for all lead-free and high lead processes.

**Features**

- Exhibits UV fluorescence to enhance inspection
- Smooth & creamy light gel
- Superior wetting with maximum activity
- Minimal spattering & thermally stable
- Excellent tackiness & stable viscosity
- Halogen free formulation
- Broad process window
- Suitable for reflow in nitrogen or air environment

**Flux Application**

DPF 800UV can be applied by printing, syringe dispensing, pin-transfer or dipping.

**Physical & Chemical Properties**

	<b>Specification</b>	<b>Test Method</b>
<b>Flux Type Classification</b>	ROL0	IPC-J-STD-004
<b>Appearance</b>	Light creamy gel	Visual
<b>Malcom Viscosity (typical)</b>	30 – 40 poise	IPC-TM-650 2.4.34.3
<b>Copper Corrosion</b>	Pass	IPC-J-STD-004
<b>Tack Result</b>	> 180 gf	JIS Z 3284
<b>Surface Insulation Resistance</b>	> 2.0 x 10 <sup>10</sup> ohms	IPC-TM-650 2.6.3.3

**Residue Removal & Cleaning**

DPF 800UV is designed for no-clean application where residues may be left on. However, if residue removal is desired, the use of Everkleen 1005 Saponifier with a 5-10% concentration in hot water (60 °C/140°F) will aid in residue removal.

**Packaging**

DPF 800UV paste flux is available in 150 gm Semco cartridges, 10 cc and 30 cc syringes or 100 gm jars.

**Storage & Handling**

DPF 800UV may be stored at ambient temperature or refrigerated. Shelf life of paste flux is 1 year when stored at 0 to 25 °C. If refrigerated, allow paste flux to reach ambient temperature prior to use.

**Material Safety Data Sheet**

MSDS for this product may be found online at [www.qualitek.com](http://www.qualitek.com).