

New Product: Welco® LED131

Lead-Free No-Clean Solder Paste

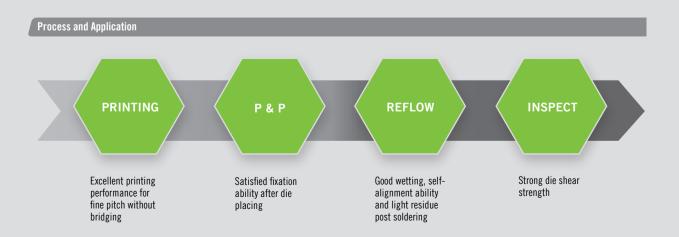
Welco® LED131 SAC solder paste series is a lead-free no-clean solder paste that promotes outstanding wetting and minimizes soldering defects. The LED131 flux system is optimized explicitly for lead-free alloys, such as Sn/Ag/Cu. This formula provides superior performance on a variety of surface finishes and leaves behind a clear residue.

The unique superfine powder technology excels in printing and soldering performance in mini-LED pads. Perfectly suited for the LED flip-chip package of mini-LED display, lighting, and automotive.

Welco® LED131 benefits

- Wide processing window, suitable for traditional die attach and die mass transfe application
- Excellent printing performance for ultrafine pitch and long work life
- Good shear strength for solder joint and high reliability
- Superior wetting performance on fine pitch and self-align in reflow process
- Light residue perfect for optical application
- Low void





Physical Properties
Alloy

Product Properties Table

Cleaning

Storage Condition

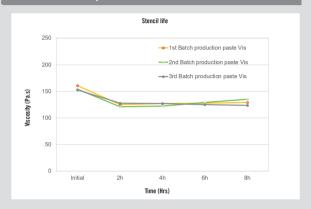
Alloy	SAC305
Metal Content	84%
Halogen Content	Halogen free
Flux Activity	ROLO
Application	
Printing	Yes
Features & Benefits	

LED131

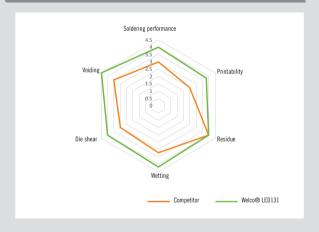
Solvent Clean

 $2-10^{\circ}\text{C}$

Stencil Life Test Comparison



Performance Comparison



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