

Heraeus



Microbond SOP® 91121

Lead Free Solder Paste Platform

The SOP 91121 Solder Pastes Series is a state of the art no clean lead free solder paste that promotes outstanding wetting. The flux system is specifically optimized for lead free alloys such as the SAC series. This formula provides superior performance on a variety of surfaces and leaves a clear residue after reflow.

Key Features:

- Flux Platform for several alloys with outstanding results:
 - Switching from one alloy to the other without cost qualification
 - SAC305, SAC405, SAC105 and SAC0307, InnoLot
- The Microbond SOP 91121 solder paste is based on a no clean flux "LO" (acc. J-std 004A)
- Flux after soldering is very clear and transparent
- High printing definition
- Good wetting on all finishing surfaces when soldered in air as well as N₂
- Optimized voiding behaviour on BGA and Large Area
- Over 1 day stencil life and tack time

Further members of the Microbond SOP lead free solder paste family:

Microbond SOP 91123

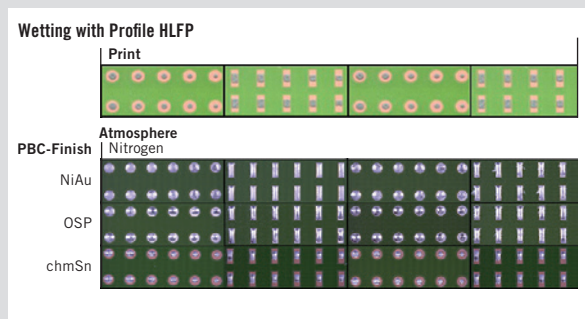
- Type 4 Platform
- Anti Capillary
- Halogen Zero
- Incl. InnoLot High Reliability version

Microbond SOP 82141 Halogen zero

- Water Soluble
- Halogen Zero

Outstanding Wetting

The flux formulation of the new lead free platform has been developed to provide excellent wetting with different alloys, as well as for application on different metal surfaces.



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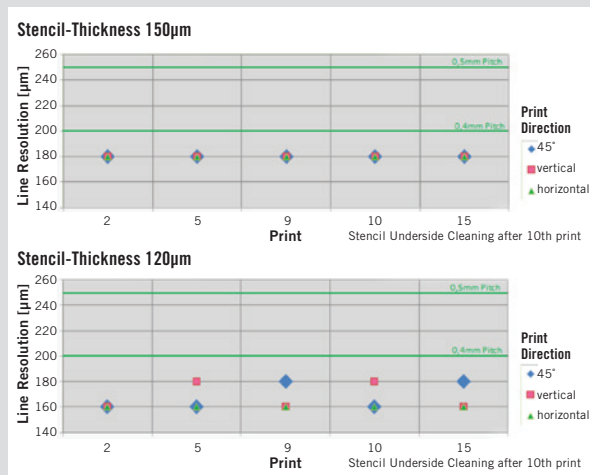
Voiding Optimization

Under BGAs, as well as under large area components, the solder paste does not produce big voids. It represents the right compromise within both conditions, ball and area.



Print Definition

Line resolution and print definition stability is one of the major benefits of our long experience in printing technology. The SOP 91121 provides high definition at T0 and after long printing waiting time.



Flux Appearance

The SOP 91121 was also developed to provide aesthetic appearance with transparent flux, without showing air bubbles inside.

