KOKI
CHALLENGING NEW TECHNOLOGIES

Wave soldering flux with powerful wetting

eco+PLUS® Lead Free SOLUTIONS you can TRUST

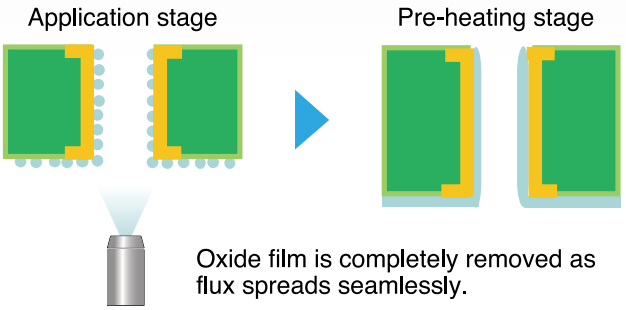
JS-E-15X

Ultimate “Uniform application quality” and “Powerful wetting”

Forms seamless flux layer

By having the optimal size of fine flux particles, JS-E-15X easily spreads uniformly over the whole surface and forms a seamless flux layer. Thus JS-E-15X completely removes the oxide film and also prevents any re-oxidization at the end of pre-heating.

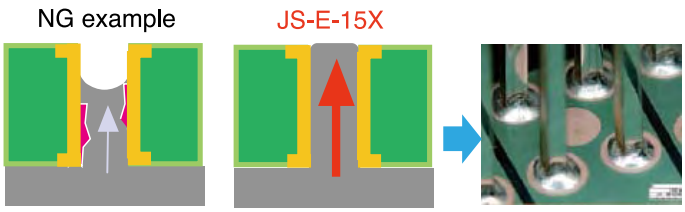
Figure 1. Flux behavior with JS-E-15X



Excellent through hole filling

JS-E-15X demonstrates quick and powerful wetting performance by the removal of the oxide film and prevention of re-oxidization during pre-heating. This combined with sufficient fluidity during soldering process ensures excellent hole filling.

Figure 2. Solder behavior in through hole filling



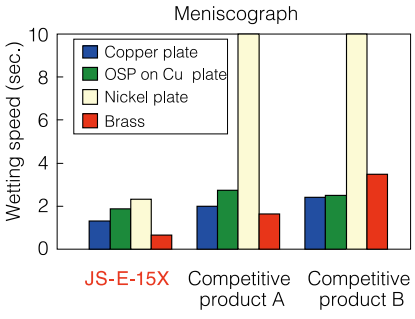
Compatible with various materials

JS-E-15X delivers sufficient wetting performance to severely oxidized materials such as nickel and brass, and is also applicable for selective soldering.

Figure 3. Meniscograph test

Test conditions

- Test piece
  Kept at 85°C85%RH x 24h, left 3h at room temp. afterwards
- Measurement conditions
  Instrument: SAT-5000
  Application method: Dip (2mm)
  Pre-heating: None
  Solder bath temp.: 245°C (Pb free)
  Dip speed: 5 mm/sec.
  Dip time: 10 sec.



Product specifications

Product name	JS-E-15X
Solid content (%)	14.8
Specific gravity (at 20°C)	0.822
Halide content (%)	0.089
Flux type	ROM1
Application	Spray / foam
	Wave soldering

Excellent thru hole filling
Powerful wetting
Anti bridging
Applicable for selective soldering
Inhibits solder beading
Applicable solder alloy Sn/Ag/Cu type Sn/Cu type
No clean type No-clean

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