

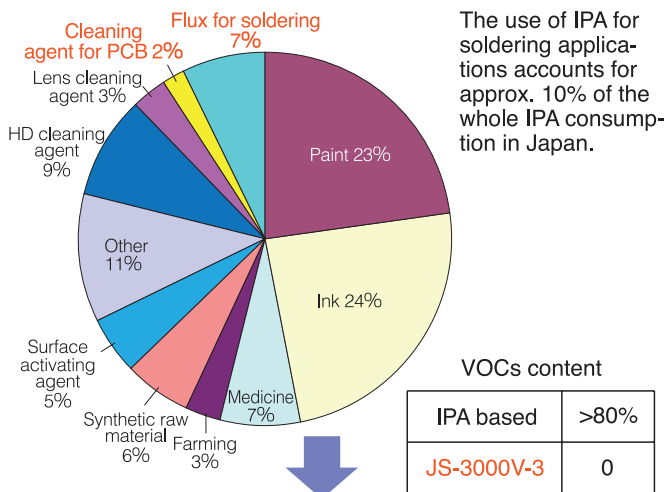
VOCs free WATER based wave soldering flux for lead free solder

JS-3000V-3

Equivalent soldering performance to IPA based fluxes

Removes VOCs completely

■ Use application of IPA (Japan)



The use of IPA for soldering applications accounts for approx. 10% of the whole IPA consumption in Japan.

Water based fluxes contribute to a drastic reduction of VOCs emissions.

High electrical reliability

■ Voltage applied insulation resistance

- Test conditions: 85°C x 85%RH x 168hrs
- Test board: JIS comb type electrode
- Voltage: DC100V
- Voltage applied: DC50V

Initial value	> 1+10 ¹²	After soldering
In 85°C x 85% 168hrs	> 1+10 ⁹	Inside chamber
After 85°C x 85% 168hrs	> 1+10 ¹²	Outside chamber

No evidence of electromigration or corrosion

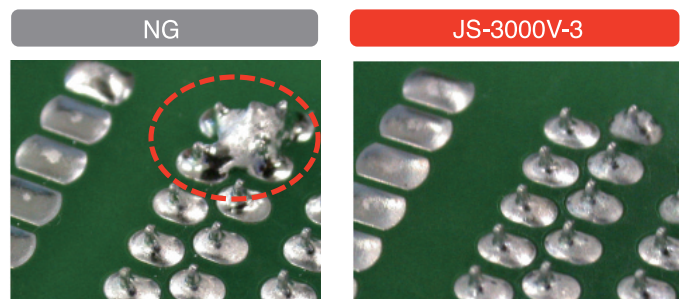
Overcomes a known weakness of water based wave soldering fluxes

Conventional water based wave soldering fluxes are more likely to cause bridging due to;

1. Insufficient drying of the flux in pre-heating stage
2. Flux spitting due to the occurrence of flux bubbling in the wave soldering stage
3. Temperature decrease of the solder wave
4. Insufficient leveling of the flux residue

JS-3000V-3 has anti-bridging properties by adopting water soluble resins which help good drying and leveling.

■ PCBs after wave soldering



Product specifications	
Product name	JS-3000V-3
VOCs content (%)	0
Solid content (%)	5.0
Specific gravity (at 20°C)	1.015
Halide content (%)	0
Flux type	ORL0
Application	Spray
	Wave soldering

