

ZESTRON® SW

Precision cleaning agent for SMT stencil printer wipe systems



ZESTRON® SW is a solvent-based cleaner with a high flash point, which was especially designed for use in SMT printers without vacuum drying. ZESTRON® SW achieves reproducible cleaning results and therefore increases the reliability of the printing process. In combination with the residue-free drying, the reliability of printing processes is increased.

Areas of application: Stencil underside wipe cleaning		Further information on this product:
Solder paste (unsoldered)	++	Technical Information sheet 3: Overview regarding material compatibility Technical Information sheet 4: Additional information on stencil printer underside wipe cleaning Application Recommendation: Specific process parameters for your cleaning trial
SMT or conductive adhesives	+	

++ highly recommended, best results + recommended

Free-of-Charge Cleaning Trials at ZESTRON's Technical Centers



Free-of-charge cleaning trials can be performed at one of ZESTRON's Global Technical Centers. ZESTRON's European, North American and Asian Technical Centers feature spray-in-air, ultrasonic or spray-under-immersion processes. This provides an extensive overview on all available processes by leading international equipment manufacturers.



Upon completion of the cleaning trials, extensive analytical tests such as SIR and ionic residue measurements can be performed.

Please consult with ZESTRON's Application Technology Centers regarding future cleaning trials.

Advantages compared to other cleaners:

- Due to its wide process window ZESTRON® SW reliably removes solder pastes from the stencil underside wipe.
- Dries fast and residue-free on stencils.
- Good delineation stability and reduced solder balling (see Technical Information 4)
- Unlike Isopropanol (flash point: 12°C/54°F) ZESTRON® SW (flash point: 67°C/153°F) dramatically increases stencil printer operational safety.
- ZESTRON® SW is based on non-halogen, organic solvents.
- ZESTRON® SW is biodegradable.
- Reduced the amount of cleaning cycles.

ZESTRON® SW has been approved by leading international manufacturers for use in their stencil printers. Written approvals can be obtained from ZESTRON.

Please refer to the material compatibility list (Technical Information 3) before cleaning plastics.

Process	Cleaning	Drying
SMT printer with or without vacuum drying	ZESTRON® SW	Dry fleece or vacuum

Technical Data		
Density	(g/ccm) at 20°C/68°C	0.89
Surface tension	(mN/m) at 25°C/77°F	27.6
Boiling range	°C/°F	100 - 171 / 212 - 340
Flash point	°C/°F	67 / 153
pH-Value	10g/l H ₂ O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 3 / 37
Cleaning temperature	°C/°F	Room Temperature
Application concentration	Ready to use	Pure
HMIS Rating	Health-Flammability-Reactivity	1 - 2 - 0

LEAD-FREE COMPLIANT



ZESTRON® SW meets the new RoHS & WEEE guidelines as well as current worker safety standards and the actual applicable environmental requirements. ZESTRON voluntary avoids the use of critical substances at product development.



Extensive tests confirmed the qualification of ZESTRON® SW for the cleaning of lead-free solder pastes.

Environmental, health and safety regulations:

ZESTRON® SW does not contain any halogenated compounds and is biodegradable. No special precaution in the handling of the ZESTRON® SW has to be taken.

Availability/Storage:

ZESTRON® SW is available in 1L bottles, 5 L or 25 L canisters or 200 L drums. The product is not a hazardous material. Store ZESTRON® SW in the original container at a temperature between 5 – 30°C / 41 – 86 °F. The product has a minimum shelf life of 5 years in factory sealed containers.

Alternative product recommendation:

For water-based stencil underside wipe cleaning in printers with vacuum drying we recommend VIGON® SC 200.