

# ATRON® AC 207

**Medium for defluxing applications in spray-in-air processes.**



ATRON® AC 207 is a FAST® Technology-based cleaning agent specifically designed to operate at low concentration levels. The product was developed to improve the cleaning performance and bath life of traditional surfactant-based cleaners and is particularly gentle on sensitive metals. ATRON® AC 207 can be used in processes with high as well as medium pressure in inline and batch cleaning systems.

Areas of application: PCB cleaning		Further information on this product:
Low solid flux residues	++	<b>Technical Information Sheet 3:</b> Material Compatibility Sheet  <b>FAST® Technology Sheet:</b> Additional Information on FAST® Technology
Rosin based flux residues	++	
Water soluble flux residues	++	
Solder paste (unsoldered)	+	

++ highly recommended, best results

+ recommended

0 possible

**Technical Centers - ① America, ② Europe, ③ Malaysia, ④ North-China, ⑤ South-China**  
**Cleaning Process Solutions under Production Floor Conditions**



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:  
 Phone: +49-841-635-26; Email: [techsupport@zestron.com](mailto:techsupport@zestron.com)

## Advantages compared to other surfactant cleaners:

- Due to its mild formulation and the low operating concentration, the cleaning agent demonstrates a superior level of material compatibility with sensitive metals such as aluminum, brass, nickel, etc.
- Excellent cleaning performance, even at low concentrations and temperatures.
- Allows for a quicker removal of a wide variety of the latest lead-free and eutectic flux residues.
- 3 to 10 times longer bath life than traditional surfactant-based cleaners.
- Gentle formula leaves solder joints and pads shiny and bright.
- Extremely low VOC levels.

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

Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (inline)	ATRON® AC 207	DI-water	Hot air or circulating air
Spray-in-air (batch)	ATRON® AC 207	DI-water	Hot air or circulating air

Technical Data		
Please note that this information represents ATRON® AC 207 at a 10% concentration.		
Density	g/ccm at 20°C / 68°F	1.00
Surface tension	mN/m at 25°C / 77°F	27.2
Boiling range	°C/°F	> 100/ > 212
Flash point	°C/°F	None
pH-value	10g/l H <sub>2</sub> O	10.2
Cleaning temperature	°C/°F	40-70 / 104-158
Application concentration <sup>1</sup> (inline)	%	5 - 15
Application concentration <sup>1</sup> (batch)	%	15 - 30
HMIS Rating	Health- Flammability- Reactivity	1 - 0 - 0

<sup>1</sup> ATRON® AC 207 has to be diluted in DI-water.

PRODUCT FEATURES		
	Extensively tested and suitable for cleaning of lead-free solder pastes	
	100% compliance with EU guidelines (RoHS 1 & 2, WEEE)	
		FAST® Technology ensures the fast removal of flux residues even under components
		Product is free of any critical substances according to SIN & SVHC lists

### Environmental, health and safety regulations:

- ATRON® AC 207 is water-based and biodegradable.
- The cleaning agent is formulated free of any halogenated compounds.
- Refer to the MSDS for specific handling precautions and instructions.

### Availability/Storage:

- ATRON® AC 207 is available as concentrate in 1l bottles, 5l or 25l containers and 200l drums.
- Store ATRON® AC 207 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.

### Cleaning Standards:

Electronic assemblies cleaned with ATRON® AC 207 in a ZESTRON specified process meet the following industry standards:

- IPC-A-610 Visual cleanliness
- J-STD 001 Ionic and resin cleanliness
- IPC-TM 650 and DIN 32513 (surface resistance)
- J-STD 003 Solderability

# ZESTRON®

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