



MultiEx[®] A12

CLEANING TECHNOLOGY

Made in Germany

Multifunctional aqueous alkaline broadband cleaning detergent particularly for flux and paste

Part No. 090607-RM25 // Contents: 25 l



Application overview

Suitable	Optional suitable	Most suitable	Suitable	Optional suitable
PCBAs, Hybrids Power electronics Misprints (mounted)	Stencils Screens Misprints (bare boards)	Solder frames Solder carriers Solder masks	ESD boxes Containers Magazines	Condensation traps Filters Steel sheets

Technical data	
Color	transparent
pH-value at 20 °C	11,0
Conductance at 20 °C	< 50 µS/cm
Flash point	> 100 °C
VOC content	< 20 %
Water solubility	easily soluble
Application	undiluted
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	not classified as hazardous
MultiEx [®] A12 cleans particularly flux and paste thorough and with best material protection from assembled PCBs, misprints, screens, solder frames, solder pallets, ESD boxes, PCB magazines.	
ReadyMix for direct use in a cleaning system	

kolb MultiEx[®] A12 is compliant with all worldwide legal regulations and directives (REACH, RoHS, TSCA etc.) on the basis of own internal checks, analyses provided by suppliers and / or material certifications of the raw materials used in the production of **kolb** Cleaning Technology GmbH.

Contaminations	
Adhesive / Glue	+
Solder paste	++
Flux	++
Thermal compounds	—
Grease / Oil	++
Coating / Varnishing	—
Machine Technologies	
Spray-in-air / (PowerSpray [®])	++
Spray-in-immersion	++
Air-in-immersion (AirFlow [®])	++
Ultrasonic systems	+
Manual application	o
++ = ideal for application, + = recommended, o = optionally applicable, — = not recommended	
Note: The spreadsheet only shows a general overview of the product specifications.	
Cleaning tests are reasonable to determine the optimum cleaner configuration. Such tests may be carried out directly at the kolb demonstration center in Willich / Germany or Shanghai / China or can be initiated by contacting your local kolb partner.	