



MultiEx® VR-18

CLEANING TECHNOLOGY

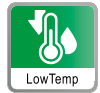
Made in Germany

Multifunctional aqueous alkaline broadband ready to use cleaning detergent for colophonium, flux, paste and adhesive

Part No. 090655-RM25 // Content: 25 l

Part No. 090655-RM200 // Content: 200 l (Barrel)

Part No. 090655-RM1000 // Content: 1000 l (IBC)



Application overview

Most suitable	Suitable	Optional suitable	Optional 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	11,2
Conductance at 20 °C	< 100 µS/cm
Flash point	> 100 °C
VOC content	< 20 %
Water solubility	fully soluble
Application	undiluted
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	GHS 07
<p>MultiEx® VR-18 ReadyMix - especially for hard to clean fluxes and PCBs and cleans particularly flux as well as solder paste, adhesive and oxides quickly, thoroughly and with best material protection from PCBs, ceramic substrates, misprints, stencils, solder frames, magazines, aluminium, stainless steel.</p> <p>For use other than in kolb PP systems, please contact kolb Process Engineering department (Phone: +49 2154 9479-44) for further information before using the product.</p>	

kolb MultiEx® VR-18 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	++
Oxides	++
Coating / Varnishing	—
Machine Technologies	
Spray-in-air / (PowerSpray®)	++
Spray-in-immersion	++
Air-in-immersion (AirFlow®)	++
Ultrasonic systems	+
Manual application	o
<p>++ = ideal for application, + = recommended, o = optionally applicable, — = not recommended</p> <p>Note: The spreadsheet only shows a general overview of the product specifications.</p> <p>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.</p>	