CLEANING TECHNOLOGY

Made in Germany



MultiEx® 3D-B1

Aqueous 3-dimensional special detergent combining 1. flux removal, 2. deoxidizing 3. passivating

Part No. 090669-RM25 // Content: 25 I

















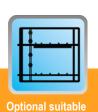
Application overview



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	farblos
pH-value at 20 °C	11,1
Flash point	> 100 °C
VOC content	< 20 %
Water solubility	fully soluble
Application	pure
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	GHS 07

MultiEx® 3D detergents work in three dimensions: 1. Flux r emoval, 2. Deoxidation of the metal surfaces, especially with copper and aluminum, 3. Passivation of the metal surfaces. MultiEx® 3D-B1 is a standard broadband cleaner for DCBs and

Detergent ReadyMix for direct use in a cleaning system.

recillical data		
Color	farblos	
pH-value at 20 °C	11,1	
Flash point	> 100 °C	
VOC content	< 20 %	
Water solubility	fully soluble	
Application	pure	
Application temperature	20 - 45 °C	
Storing (in original container)	10 - 30 °C	
CLP / GHS	GHS 07	
MultiEv® 2D detergents work in three dimensions: 1 Flux r		

kolb MultiEx® 3D-B1 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.

nical data		
	farblos	
ue at 20 °C	11,1	
point	> 100 °C	
ontent	< 20 %	
solubility	fully soluble	
ation	pure	
ation temperature	20 - 45 °C	
(in original container)	10 - 30 °C	
GHS	GHS 07	
® 3D detergents work in three dimensions: 1 Flux r		

Contaminations		
Adhesive / Glue	0	
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	0	

++ = 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.

All rights for changes reserved that lead to technical improvement are subject to change without notice

© kolb GmbH 2024