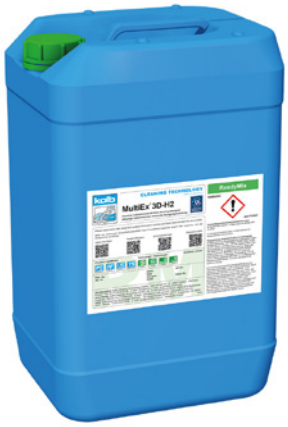
MultiEx® 3D-H2



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

Part No. 090663-RM25-2 // Content: 25 l
Part No. 090663-RM200 // Content: 200 l (Barrel)
Part No. 090663-RM1000 // Content: 1000 l (IBC Container)

Application overview

Most suitable	Most suitable	Optional suitable	Optional suitable	Not suitable
Assembled PCBs	Stencils	Solder frames	ESD boxes	Condensation traps
Hybrids	Screens, PumpPrints	Solder carriers	Containers	Filters
Misprints	Misprints	Solder masks	Magazines	Steel sheets

Technical data

Color	transparent
Odor	amine
pH-value at 20 °C	10,8
Initial boiling point and range	not determined
Flash point	not determined
Density at 20 °C	0,965 g / cm³
Water solubility	fully soluble
Viscosity (dyn.) at 20 °C	40,0 mPa·s
Application	pure
Application temperature	20 - 45 °C
Storing frost-free	in original container
EWC key number	070104
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-H2 is a standard broadband cleaner for DCBs and PCBs.

Detergent ReadyMix for direct use in a cleaning system. If necessary **kolb** AntiFoam F12 (Part No. 090683-1) is recommended as defoamer additive.

Applications

Copper oxide / CuO	++
Aluminum oxide / Al_2O_3	++
SMD adhesive	o
Solder paste	++
Colophonium flux	++
Waterbased flux	++
Solder paste (soldered)	++
Spray-in-air systems	++
Spray-in-immersion systems	+
Air-in-immersion systems	+
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..