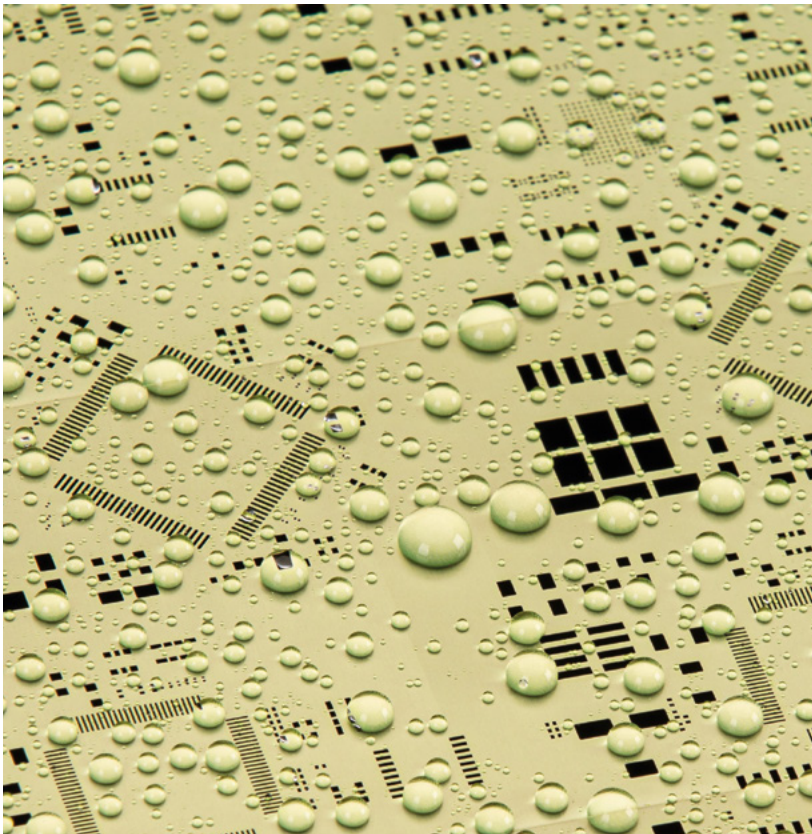


DEK NanoUltra Gold stencil coating

Applied upon completion of the stencil manufacturing process, DEK NanoUltra Gold fluxophobic stencil coatings deliver stencil underside and aperture coating for maximum material transfer efficiency and optimized understencil cleaning performance.



Benefits:

- Very long life cycle
- Coating applied to the bottom surface of the stencil and to the aperture walls for optimized print performance
- Significantly reduces understencil cleaning frequency requirements, lowering costs and improving throughput
- Delivers superior print definition for area ratios below 0.6
- Increases transfer efficiency by 10% to 40% depending on area ratio
- Reduces solder paste bridging
- Encourages more uniform solder paste deposits
- Colored coating provides visual confirmation of coverage, as opposed to clear wipe-on nano coatings
- Micron-thick coating lasts longer compared to wipe-on nano solutions
- Non-ionic, not conductive, and chemically inert
- ECHA REACH, RoHS and RoHS 2 compliance
- Recommended stencil materials: Fine Grain and stainless steel

TECHNICAL SPECIFICATIONS	
Properties	Values
Appearance	Gold
Thickness of coating	3 to 4 micron
Specific gravity @ 25C	1.02 g/cm ³
Static contact angle, water	105°
Static contact angle, n-hexadecane	64°
Abrasion resistance, ASTM D2486, isopropyl alcohol	>2000 cycles
Abrasion resistance, ASTM D2486, IPA based flux	>2000 cycles
Pencil hardness	>9H
Resistivity	> 10 x 10 ¹² ohm-M
Ionic residues (ROSE)	0 µg of NaCl / liter
Ionic species on board (as received)	None detected
Ionic species on board (after reflow)	None detected

DEK NanoUltra STENCIL COATING		
Part number		Description
SAP	DEK	
03178413	800109	Europe
03137312	800110	Americas

ASMPT

ASMPT Americas
Phone: +888 768 4357 (press 2)
Email: smtparts.us@asmpt.com

ASMPT Europe
Phone: +40 722 692 108
Email: asmpt-ppsp.eu@asmpt.com

ASMPT Asia
Phone: +65 6877 3900
Email: spares.sg@asmpt.com



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Products Website

psp.smt.asmpt.com



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