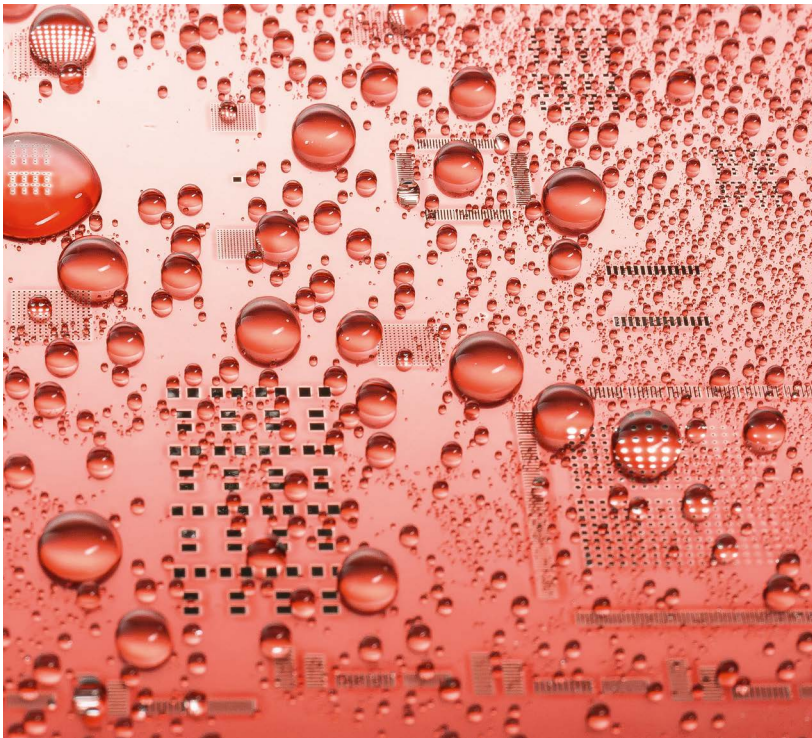


# DEK NanoUltra stencil coating

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



## Benefits:

- 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 or red
Thickness of coating	2 to 4 micron
Specific gravity @ 25C	1.5 g/cm <sup>3</sup>
Static contact angle, water	103 - 105°
Static contact angle, n-hexadecane	62 - 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 <sup>12</sup> 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	
03137311	800109	Europe
03137312	800110	Americas



ASM Process Support  
Products Website

[www.asm-bsp.com](http://www.asm-bsp.com)



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Products Webshop

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