

LOCTITE®



LOCTITE GC 10
The Game Changer

First-ever temperature stable solder paste

In what is a true market breakthrough, Henkel has developed the first-ever temperature stable solder paste. LOCTITE GC 10 is stable at 26.5°C for one year and at temperatures of up to 40°C for one month, which provides benefits throughout the logistics and operations chain – from shipping/receiving to printing and reflow. The temperature stability of the material delivers exceptional performance attributes such as


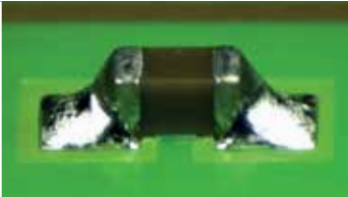

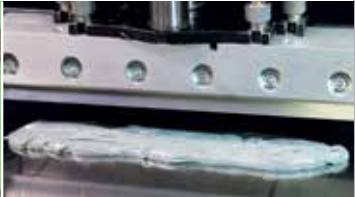
24-hour abandon times, stabilized and consistent print transfer efficiency, expansion of the reflow process window, more than 95% on-line paste utilization and significant reductions in solder-related defects. All of these advantages combined result in higher yields and more cost-effective PCB assembly.

www.soldergamechanger.com

Henkel

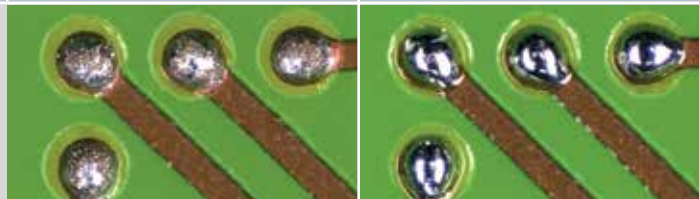


LOCTITE GC 10 Benefits

IMPROVED PRINTING	IMPROVED STABILITY	IMPROVED REFLOW	IMPROVED PASTE MANAGEMENT
Abandon Time: 8-24 hours	On-line stencil stability: 3 days @ 80% RH	Excellent coalescence for 0201, 01005 and 0.3 mm pitch	Superior on-line paste utilization
Stencil Life: 16-72 hours	Paste stability: 12x over conventional	After 3 days @ 80% RH, zero dewetting on long soak	Eliminates end-of-day paste scrapping
High yield paste volumes with lowest aspect ratio	Elevated temperature stability: 100x over conventional	Minimal hot slump @ 182°C	Eliminates refrigerated warehouse storage
Industry leader in paste-transfer efficiency	Improved shipping logistics management	Best in class cosmetic appearance for Pb-free solder joints	Eliminates cold pack, dry ice and overnight shipping
		Exceptional wetting for long, hot reflow profiles	
			

LOCTITE GC 10 Attributes

ATTRIBUTES	CURRENT TECHNOLOGY	LOCTITE GC 10
Regulatory Compliance	Halide/halogen free	Zero halogens added
Particle Size Distribution	Type 3, 4	Type 3, 4, 5
STORAGE		
Performance Stable at 26.5°C	1 month	1 year
Performance Stable at 40°C	1 day	1 month
Performance Stable at 50°C	0	1 week
PROCESS		
Abandon Time	1-4 hours	8-24 hours
Soak Temperature (Reflow)	150-180°C	150-200°C
On-line Paste Utilization	75%	> 95%
Start-up Time	4-24 hours	0 hours



Across the Board,
Around the Globe.
www.henkel.com/electronics



Henkel Electronic Materials, LLC
14000 Jamboree Road
Irvine, CA 92606
+1.714.368.8000
+1.800.562.8483

Henkel Europe
Nijverheidsstraat 7
B-2260, Westerlo
Belgium
+32.1457.5611

Henkel Asia
332 Meigui South Road
WaiGaoQiao FTZ
Shanghai 200131 China
+86.21.3898.4800

