

**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


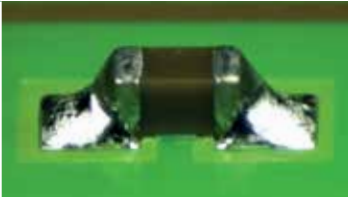

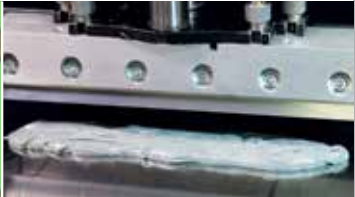
24-hour abandon times, stabilized and consistent print transfer efficiency, expansion of the reflow process window, more than 95% on-line paste utilization and significant reductions in solder-related defects. All of these advantages combined result in higher yields and more cost-effective PCB assembly.

[www.soldergamechanger.com](http://www.soldergamechanger.com)

**Henkel**

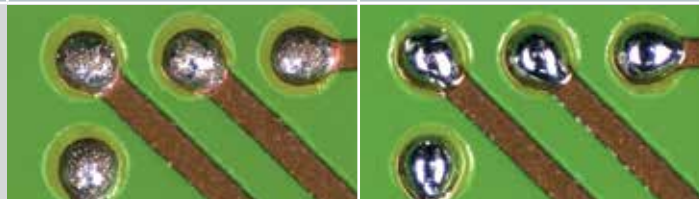


## LOCTITE GC 10 Benefits

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
<b>STORAGE</b>		
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
<b>PROCESS</b>		
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



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[www.henkel.com/electronics](http://www.henkel.com/electronics)



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