



## CURED IN A FLASH

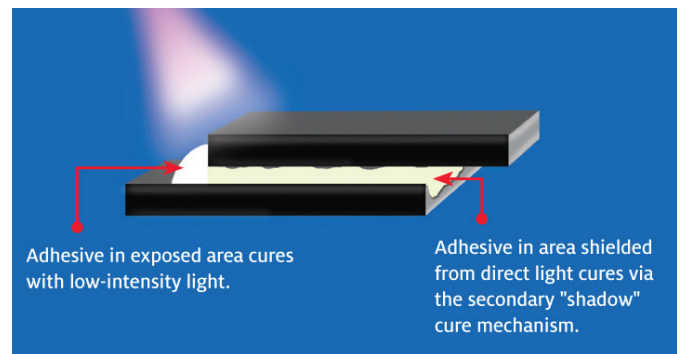
SOLUTIONS FOR MEDICAL DEVICE ASSEMBLY



### A Full Range of Flashcure® Adhesive Technology

LOCTITE® has revolutionized the adhesive industry with LOCTITE® Flashcure® Light Curing Cyanoacrylates. This unique technology allows these single-component adhesives to cure in seconds when exposed to light at the appropriate wavelength and provides superior adhesion to a wide variety of substrates. With its secondary shadow cure mechanism, Flashcure® combines the benefits of light cure acrylic and moisture cure cyanoacrylate adhesives.

- Extremely fast tack-free curing in 2-5 seconds
- Cures with UV/visible light AND in shadowed areas
- Fluorescent for inspection purposes
- Eliminates need for accelerators
- Good adhesion to plastics, elastomers and metals
- ISO 10993 Biological Tested



1- 800-LOCTITE (562-8483)  
[na.henkel-adhesives.com/medicaladhesives](http://na.henkel-adhesives.com/medicaladhesives)





A flexible formula, **LOCTITE® 4314™**, is part of LOCTITE's unique line of Flashcure® dual cure adhesives, specifically designed for bonding flexible or soft substrates. The toughened Flashcure® products (**LOCTITE® 4310™ and 4311™**) offer all of the benefits of the traditional technology with the added benefits of impact resistance and fracture toughness.

**LOCTITE® 4306™**, one of the original Flashcure® adhesives from LOCTITE, offers a low viscosity for tight fitting parts or small assembly gaps.

PERFORMANCE DATA	TRADITIONAL	TOUGHENED		FLEXIBLE
	4306™	4310™	4311™	4314™
Color	Clear to pale green	Clear to pale green	Clear to pale green	Clear to pale green
Fluorescence	Yes	Yes	Yes	Yes
Gap Fill	0.004	0.005	0.008	0.005
Viscosity	20 cP	150 cP	900 cP	175 cP
Block Shear Strength	2,200 psi	3,190 psi	3,260 psi	2,400 psi
Fixture Speed	5 sec.	5 sec.	5 sec.	5 sec.
Tensile Strength (bulk adhesive)	4,720 psi	4,840 psi	4,840 psi	3,500 psi
180°F Peel (steel)	12 lb./in.	14 lb./in.	17 lb./in.	N/A
Side Impact	8 J	13 J	14 J	N/A
Fracture Toughness (steel, 5mm gap)	0 J/m2	880 J/m2	840 J/m2	N/A
Temperature Range	-65°F to 180°F	-65°F to 200°F	-65°F to 200°F	-65°F to 180°F

ORDERING INFORMATION	TRADITIONAL	TOUGHENED		FLEXIBLE
	4306™	4310™	4311™	4314™
1 Ounce Bottle	487909	1401792	1401791	2610570
1 Pound Bottle	487921	1401790	1401789	2610581



#### Dispensing

LOCTITE® Flashcure® Light Cure Adhesives can be dispensed manually or with LOCTITE® dispensing systems. See [next.henkel-adhesives.com/us/en/products/all-shoppable-products.html](http://next.henkel-adhesives.com/us/en/products/all-shoppable-products.html) for more details.



#### Curing

LOCTITE® Flashcure® Light Cure Adhesives can be cured with low-intensity UV or visible light. LOCTITE's newest LED curing units are ideally suited for a rapid, tack-free cure of all Flashcure® adhesives.



#### Difficult Bonding Applications

For difficult-to-bond substrates such as polyethylene and polypropylene, use LOCTITE® Flashcure® Light Cure Adhesives with LOCTITE® Polyolefin Primers.

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