

LOCTITE®

Introducing...
NEW
TOUGHENED
PRODUCTS!!

FLASHCURE® ADHESIVES



Tack-Free Curing in a *FLASH*



Henkel

LOCTITE® FLASHCURE® Light Curing Cyanoacrylates

Henkel Corporation has once again revolutionized the adhesive industry with its latest innovation: Loctite® Flashcure® Light Curing Cyanoacrylates. This patented 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 including elastomers, rubbers, plastics and metals. With its secondary shadow cure mechanism, Flashcure® technology provides all the benefits of light cure acrylic and cyanoacrylate technologies with none of the limitations.

The NEW toughened Flashcure® products offer all of the benefits of the traditional technology with the added benefits of impact resistance and fracture toughness. Products 4310™ and 4311™ are ideally suited for applications where slight impact loads or flexing of the bond joint are likely.

PERFORMANCE DATA	Traditional Flashcure®	Toughened Flashcure®	
	4306™	4310™	4311™
Appearance	Transparent, faint green	Transparent, faint green	Transparent, faint green
Fluorescent	Yes	Yes	Yes
Viscosity	20 cP	150 cP	700 cP
Tensile Strength (bulk adhesive)	4720 psi	4840 psi	4840 psi
180°F Peel (steel)	12 lb./in.	14 lb./in.	17 lb./in.
Side Impact	8 J	13 J	14 J
Fracture Toughness (steel, 5 mm gap)	0 J/m²	880 J/m²	840 J/m²
Temperature Range	-65° to 180°F	-65° to 180°F	-65° to 180°F

ORDERING INFORMATION	Traditional Flashcure®	Toughened Flashcure®	
	4306™	4310™	4311™
1 Ounce Bottle	37439	1401792	1401791
1 Pound Bottle	37442	1401790	1401789

Dispensing

Loctite® Flashcure® Light Cure Adhesives can be dispensed manually or with Loctite® dispensing systems.



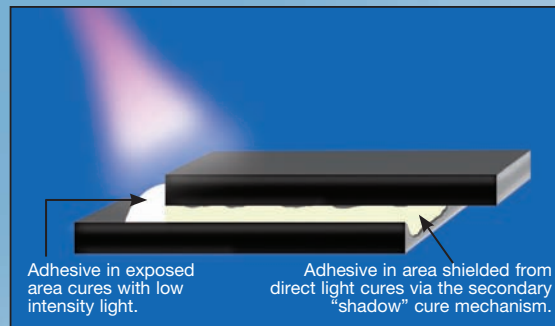
Curing

Loctite Flashcure® Light Cure Adhesives can be cured with low intensity UV or visible light. Henkel'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.



FEATURES & BENEFITS

- Fast tack-free curing (in ≈ 2 seconds)
- Secondary shadow cure mechanism (humidity)
- NEW toughened formulations
- ISO-10993 compliant for medical devices
- Versatile – bonds to a variety of substrates
- One-component system, no mixing
- Eliminates need for accelerators
- Minimal blooming and stress cracking
- Increases production speed and reduces work in process

Contact Henkel at 1.800.LOCTITE (562.8483) or visit www.loctite.com for more information on the complete line of Loctite products including:

- Application Assistance
- TDS
- MSDS
- ISO-10993 Biocompatibility Certificates
- Samples
- Products
- Dispensing/Curing Equipment
- Nearest Loctite® Products Distributor



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