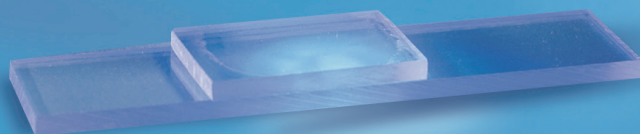


# LOCTITE®

## FLASHCURE® ADHESIVES

Introducing...  
**NEW**  
TOUGHENED  
PRODUCTS!!



### Tack-Free Curing in a *FLASH*

Henkel

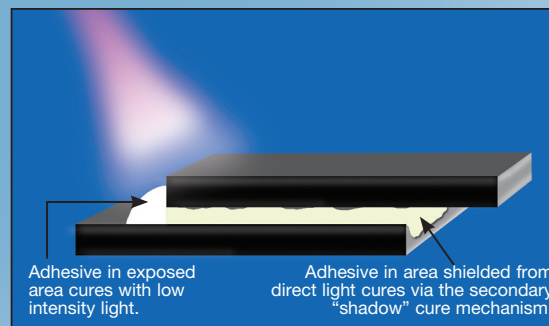


# LOCTITE® FLASHCURE®

## 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.



## FEATURES & BENEFITS

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

## SUBSTRATES / APPLICATIONS

- Stainless steel to plastic – *Needle bonding*
- Latex rubber tubing to PET – *Household products*
- ABS to metal – *Hearing aids*
- Aluminium to plastic – *Handheld electronics*
- Polycarbonate to magnets – *Sensor and wire tacking*
- PVC to polyurethane foam – *General industrial products*

Go to [www.instant.loctite.com](http://www.instant.loctite.com) for more information. For technical assistance, call 1.800.LOCTITE (562.8483)

PERFORMANCE DATA	Traditional Flashcure®	Toughened Flashcure®	
	4306™	NEW 4310™	NEW 4311™
Color	Clear to pale green	Clear to pale green	Clear to pale green
Fluorescent	Yes	Yes	Yes
Gap	0.004	0.005	0.008
Viscosity	20 cP	150 cP	900 cP
Shear Strength	2,000*	2,000*	2,000*
Fixture Speed	5 sec.	5 sec.	5 sec.
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

\*Data generated using polycarbonate

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. See [www.equipment.loctite.com](http://www.equipment.loctite.com) for more details.



### 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.



## Your Local Stocking Distributor

**HS** **Hardware Specialty Co., Inc.**

For a complete list of locations, please visit [www.hardwarespecialty.com](http://www.hardwarespecialty.com) or email us at [info@hardwarespecialty.com](mailto:info@hardwarespecialty.com)

**SAE AS9120**