

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.



Fast Curing

Extremely fast, tack-free curing in 2-5 seconds



Light- & Shadow-Curing

Cures with UV/Visible light AND in shadowed areas



Good Adhesion

Good adhesion to plastics, elastomers, and metals



Fluorescent

Fluorescent for inspection purposes



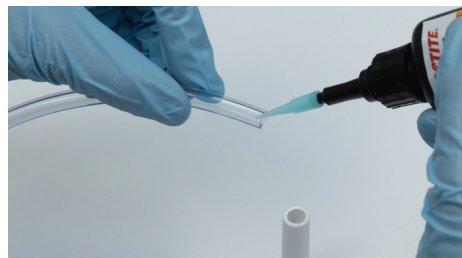
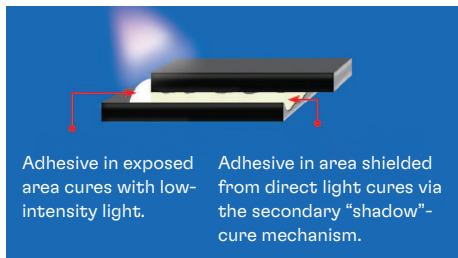
No Accelerators

Eliminates need for accelerators



Biocompatible

Tested to Henkel's test protocols based on ISO 10993 biocompatibility standards



LOCTITE® FLASHCURE®

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 LOCTITE 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.



KEY PERFORMANCE PROPERTIES*

FEATURES	LOCTITE 4306	LOCTITE 4310	LOCTITE 4311	LOCTITE 4314
TYPE	TRADITIONAL	TOUGHENED	TOUGHENED	FLEXIBLE
COLOR	CLEAR TO PALE GREEN	CLEAR TO PALE GREEN	CLEAR TO PALE GREEN	CLEAR TO PALE GREEN
FLUORESCENCE (IN/mm)	YES	YES	YES	YES
GAP FILL (IN/mm)	0.004/0.10	0.005/0.13	0.008/0.20	0.005/0.13
VISCOSITY (mPa·s/cP)	20	150	900	175
BLOCK SHEAR STRENGTH ON PC (PSI / N/mm ²)	2,200/15	3,190/22	3,260/22	2,400/17
FIXTURE SPEED (SECONDS)	5	5	5	5
180° PEEL ON STEEL (LB/IN / N/mm)	N/A	17/3	16/3	16/3
SIDE IMPACT (J)	8	13	14	11
TEMPERATURE RANGE (°F/°C)	-65° TO 180°/-54° TO 82°	-65° TO 200°/-54° TO 93°	-65° TO 200°/-54° TO 93°	-65° TO 180°/-54° TO 82°

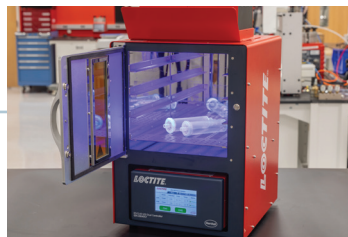
ORDERING INFORMATION

SIZE	LOCTITE 4306	LOCTITE 4310	LOCTITE 4311	LOCTITE 4314
1 OZ	487909	1401792	1401791	2610570
1 LB	487921	1401790	1401789	2610581



DISPENSING

LOCTITE Flashcure Light-Cure Adhesives can be dispensed manually or with LOCTITE dispensing systems.



CURING

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, use LOCTITE Flashcure Light-Cure Adhesives with LOCTITE Polyolefin Primer.

*The data contained herein are intended as reference only. Please contact Henkel Technical Support Group for assistance and recommendation on specifications for these products. Flashcure is a registered trademark only in the U.S. and Canada—not applicable elsewhere. Except as otherwise noted, all marks used above in this printed material are trademarks and/or registered trademarks of Henkel and/or its affiliates in US, Germany, and elsewhere. © 2025 Henkel. All rights reserved.