

Bonding – Light Cure Adhesives

Versatile Loctite® brand ultraviolet (UV) and visible light curing adhesives can be used in bonding, encapsulating, coating, tacking and sealing applications. These single-component, solvent-free products cure in seconds when exposed to UV/visible light sources. Some light cure adhesives can be combined with activator curing methods to meet specific application requirements.



EPOXY ADHESIVES

LOCTITE® 3335™ LIGHT CURE ADHESIVE

UV Cationic Epoxy

A one-part, medium viscosity, cationic epoxy. Excellent for surface cure - no oxygen inhibition. Low outgassing, very good high temperature resistance. Rigid, low shrinkage.

SILICONE ADHESIVES

LOCTITE® 5033™ NUVA-SIL® SILICONE ADHESIVE SEALANT

Paste/High Adhesion/Visible Light

A UV or visible light and moisture curing silicone for high speed adhesion and sealing applications. High adhesion for difficult-to-bond substrates.



ACRYLIC ADHESIVES

LOCTITE® 352™ LIGHT CURE ADHESIVE

A high viscosity adhesive that creates a tough, flexible bond that is resistant to vibration and shock. Effective on a wide range of materials. Cures in minutes using an activator, UV light, or both.






LOCTITE® 3106™ LIGHT CURE ADHESIVE

A high strength, medium viscosity, thixotropic, UV/visible light cure adhesive. Designed primarily for bonding rigid and flexible PVC to polycarbonate where large gap filling capabilities and a flexible joint are desired.



Loctite® Brand Light Cure Adhesives Properties Chart

PRODUCT		Item Number	Container	APPEARANCE, CLARITY, AND COLOR	CURE TYPE	KEY SUBSTRATES	VISCOSITY (cP), BROOKFIELD, 25°C	ELONGATION AT BREAK (%)	SHORE HARDNESS	TEMPERATURE RANGE	AGENCY APPROVALS
EPOXY ADHESIVES	3335™	30288 30289	25 ml syringe 1 liter bottle	Clear/Colorless	Ultraviolet, cationic	Metal, glass, thermoplastic	6,000	2	D 84	-65°F to 325°F	N/A
CYANOACRYLATE ADHESIVES	4304™ Flashcure®	32254 32407	1 oz. bottle 1 lb. bottle	Clear/ Pale Green	Ultraviolet, visible, moisture	Elastomer, metal, polycarbonate, thermoplastic	20	9	D 72	-65°F to 180°F	ISO-10993 Compliant
	4305™ Flashcure®	32268 32409	1 oz. bottle 1 lb. bottle	Clear/ Pale Green	Ultraviolet, visible, moisture	Elastomer, metal, polycarbonate, thermoplastic	900	6	D 77	-65°F to 180°F	ISO-10993 Compliant
SILICONE ADHESIVES	5033™ Nuva-Sil® NEW	40088 40089	300 ml cartridge 40 lb. pail	Translucent/ Colorless/ Fluorescent	Visible, ultraviolet, moisture, acetoxo	Glass, metal, ceramic	145 g/min.†	170	A 55	-65°F to 350°F	N/A

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ACRYLIC ADHESIVES	ULTRAVIOLET	349™ Impruv® 	34931 34990	50 ml bottle 1 liter bottle	Clear/Straw	Glass, metal	9,500	300	D 70	-65°F to 266°F	1,600 ¹
		363™ Impruv®	36331 36390	50 ml bottle 1 liter bottle	Clear/Pale Straw	Metal, thermoset plastic	250	88	D 50	-65°F to 356°F	1,740 ¹
		352™ 	35241 257239	50 ml bottle 1 liter bottle	Clear/Light Amber	Ultraviolet, heat, activator	Glass, metal	19,500	290	D 60	-65°F to 275°F
	ULTRAVIOLET, VISIBLE	3106™ 	23697 320687	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Polycarbonate, thermoplastic, polyvinylchloride	5,000	250	D 53	-65°F to 300°F



Indicates worldwide availability.

* Made-to-order item.

† Extrusion rate, grams/minute, 1/8" orifice at 90 psi.

¹ Grit Blasted Steel to Glass

² Etched Aluminum

³ Polycarbonate to Polycarbonate

⁴ Polycarbonate to PVC



Indicates TOP CHOICE products.

The Electromagnetic Spectrum

