

INSTANT BONDING

As one of the most successful products in its field and a true classic, LOCTITE Instant Adhesive is always the first choice for reliable, high-performance bonding. LOCTITE is the market leader in the field of instant bonding technology.

LOCTITE Instant Adhesive is suitable for a range of materials and is available as a liquid, gel or in a “precision” format. All feature, exceptionally fast adhesion and super strong bonding power.



FEATURES & BENEFITS

- ✓ Convenient bonding in seconds
- ✓ High shear strength
- ✓ No mixing
- ✓ Bonds to a wide variety of materials
- ✓ Extensive range available, suitable for infinite industrial maintenance and OEM applications.

PRODUCT DESCRIPTION

Henkel Corporation, the manufacturer of LOCTITE® products, is the world leader of structural and instant adhesive bonding solutions. Our advanced adhesives range includes Cyanoacrylates, Epoxies, Hot Melts, Light Cure, Silicones, Urethanes and Acrylics for maintenance and OEM applications.

The LOCTITE® adhesive products shown here is a targeted selection of maintenance bonding solutions. Call the LOCTITE® Customer Support Line for more information on our full product range.



INSTANT BONDING

- » ASSEMBLE PARTS QUICKLY AND EASILY
- » REPAIR BROKEN PARTS
- » BOND DISSIMILAR MATERIALS

▶ WHAT ARE YOU BONDING?				
	Plastics/Metals/Rubber		Difficult to bond surfaces	
DO YOU REQUIRE INSTANT ADHESION?	Yes			
IS THE SURFACE POROUS?	Porous	Non-Porous		Porous
UNIQUE FEATURES	Gap Filling	Instant Fixture	Instant Fixture	Instant Fixture
	Hybrid		Bonds Most Plastics	No Run Formula
▶ HENKEL SOLUTIONS	LOCTITE® 4090 Hybrid Adhesive	LOCTITE® 401	LOCTITE® 406	LOCTITE® 454
Colour	Clear to slightly cloudy	Clear	Clear	Clear
Gap Fill	2mm	0.05mm	0.05mm	0.10mm
Viscosity (CP)	Part A - 5,000 Part B - 30,000	90	20	Gel
Shear Strength* N/mm ² (PSI)	17 (2,420)	20 (2,900)	15.5 (2,250)	20.9 (3,030)
Temperature Range	-55°C to +150°C	-54°C to +120°C	-54°C to +120°C	-54°C to +120°C
Fixture Time	180 sec	5–20 sec	5–20 sec	30–60 sec
Full Strength	168 hrs	24 hrs	≥24 hrs	≥24 hrs
Recommended Primer	770	770	770	-
Package Size & IDH (Part No.)	50 g syringe - 1950088	3 g tube - 547691 (16704) 25 ml bottle - 265607 (40124-25) 100 ml bottle - 265618 (33531) 500 ml bottle - 265620 (33532)	25 ml bottle - 265606 (40633-25) 100 ml bottle - 265619 (33533) 500 ml bottle - 265621 (33534)	3 g tube - 233998 (45404) 20 g tube - 466862 (45416) 200 g tube - 234004 (45474)

* Grit blasted mild steel cured for 24 hours at 22°C.

An innovative hybrid adhesive that combines the bond strength and speed you need to solve your design and assembly challenges. With the speed of an instant adhesive and the strength of a structural adhesive. Delivers both performance and versatility.

Designed for assembly of difficult-to-bond materials which require uniform stress distribution and strong tension and/or shear strength. Bonds a wide range of materials including metals, plastics and elastomers.

General purpose adhesive for difficult to bond surfaces. Bonds Santoprene® rubbers, polyolefin plastics and elastomers when used in conjunction with LOCTITE® 770 Polyolefin Primer.

General purpose gel for bonding metals, composite materials, wood, cork, foam, leather, card, paper, plaster and unglazed ceramics. Recommended for use on vertical or overhead surfaces. Fills gaps to 0.5mm with the use of Primer 7452.

Rubber/Metal	Plastics/Rubber	Plastics/Metals/Rubber		Plastics/Rubber
No	Yes		No	No
Non-Porous				
Rubber Toughened	Bonds to EPDM	Rubber Toughened	Low Odor	Two-part Gap Fill
High Peel Strength		High Peel Strength	Low Bloom	
LOCTITE® 480	LOCTITE® 424	LOCTITE® 435	LOCTITE® 460	LOCTITE® 3090
Black	Clear	Clear	Clear	Clear
0.05mm	0.05mm	0.05mm	0.05mm	5mm
150	110	175	40	Gel
26 (3,800)	22 (3,200)	19 (2,700)	21 (3,060)	21 (3,045)
-54°C to +100°C	-54°C to +80°C	-54°C to +100°C	-54°C to +100°C	-54°C to +80°C
60–120 sec	5–20 sec	30–60 sec	10–30 sec	30–60 sec
≥24 hrs	≥24 hrs	≥24 hrs	≥24 hrs	≥24 hrs
770	770	770	770	770
20 g bottle - 1831562 (45506) 500 ml bottle - 135253 (16887)	25 ml bottle - 265609 (42423-25)	25 ml bottle - 914156 (41817) 500 ml bottle - 1055840 (840071)	25 ml bottle - 473121 (46017-25) 500 ml bottle - 937501 (142600)	10 g dual syringe- 1796029 (1379599)

Black rubber toughened grade for bonding metal to metal and metal to rubber; especially suitable with applications where high peel strength is required and/or shock loads are present.

Excellent for bonding EPDM rubber. LOCTITE® 424 provides enhanced performance on EPDM and elastomers.

Rubber toughened adhesive with increased flexibility and peel strength along with enhanced resistance to shock. The product provides rapid bonding on a wide range of materials including metals, plastics and elastomers, as well as porous and absorbent materials like wood, leather and fabric.

Particularly suited for bonding porous or absorbent materials such as wood, paper, leather and fabric. Low odour and low blooming properties and is particularly suitable for applications where vapour control is difficult. This product provides rapid bonding of a wide range of materials including metals, plastics and elastomers.

Two component, fast curing, gap filling adhesive with excellent bonding characteristics to a variety of substrates including plastics, rubbers and metals. Designed for the assembly of parts with varying or undefined band gaps. Also suitable for bonding porous materials such as wood, paper, leather and fabric.