



UNIVERSAL BONDERS

LOCTITE HY 4070 and LOCTITE HY 4090

Almost nothing they can't do.



PROBLEM

Without Universal Bonders:
Multiple material assemblies can require additional primers, more cure time and can be susceptible to vibration, temperature changes and humidity.

SOLUTION

With Universal Bonders:
Strong, durable, fast bonding of multiple materials is possible.

The most versatile adhesive. In your toolbox.

Faster fixture. Faster repairs.



BEST SELLER



LOCTITE HY 4070

**Universal Bonder,
Ultra Fast Structural Adhesive**

LOCTITE HY 4070 is a 2K, cyanoacrylate/acrylic hybrid gel adhesive that provides a fast fixture at room temperature in gaps up to 5 mm. It suits various substrates including most plastics, rubbers and metals. It is used where complete cure of excess adhesive, as well as temperature and moisture resistance, is required.

Benefits:

- Fast Curing Speed
- Good gap filling capabilities
- Sag resistant
- Improved Health and Safety versus other adhesive technologies



Fixture time:

<60 sec where gaps are <0.1mm.



Strength:

25 N/mm²



Substrate:

Most plastics, rubbers, metals and wood



DISPENSERS

**LOCTITE 96001
50 ml Dual Cartridge
Manual Handgun**

IDH 267452

NOZZLES

11 g

IDH 1453183

(Does not require
additional
dispenser)

45 g

IDH 1509102

Please refer to page 130 for additional equipment/information.



UNIVERSAL BONDERS

Product	Pack Size	Colour	Features	Gap Fill	Viscosity (mPa*s)	Mix Ratio	Temperature Range	Fixture Time	Lap Shear Strength, GBMS
LOCTITE HY 4070	11 g, 45 g	Transparent to pale yellow	Ultra-fast, multi-substrate bonder	5 mm	Gel	10:1	-40 to +100 °C	<60 sec. (aluminium, 0,05 mm gap)	25 N/mm ²



UNIVERSAL BONDERS

Product	Pack Size	Colour	Features	Gap Fill	Viscosity (mPa*s)	Mix Ratio	Temperature Range	Fixture Time	Lap Shear Strength, GBMS
LOCTITE HY 4090	50 ml, 400 ml	Off-white to light yellow	Multi-material bonder, fast fixture, good environmental resistance	5 mm	Gel	1:1	-40 to +150 °C	<3 minutes, 0.05 mm gap	17 N/mm ²

Fast curing adhesives. **For industrial design solutions.**

Create strong and reliable bonds with LOCTITE HY 4090.



BEST SELLER



LOCTITE HY 4090

**Universal Bonder,
Fast & Versatile Structural Adhesive**

LOCTITE HY 4090 is an off-white to light yellow gel with high viscosity. It opens up new application areas in structural bonding by combining instant adhesive properties with those of epoxies to give additional benefits:

- Fixture time of <3 minutes and suitable for gaps up to 5 mm
- Improved Health and Safety benefits versus epoxies
- Moisture and environment resistant



Fixture time:
<3 minutes.



Strength:
17 N/mm²



Substrate:
Most plastics, rubbers, metals and wood

DISPENSERS

LOCTITE 96001
50 ml Dual Cartridge
Manual Handgun
IDH 267452

LOCTITE 97042
50 ml Dual Cartridge
Pneumatic Handgun
IDH 476898

LOCTITE EQ HD14
400 ml Dual Cartridge
Pneumatic Dispenser
IDH 2693825

NOZZLES

50 ml
IDH 1826921

400 ml
IDH 1573135

Please refer to page 130 for additional equipment/information.

