

# LOCTITE®



## HY 4070™ Universal Structural Bonder. The Super Fast Universal Bonder.

### THE PROBLEM

Traditional structural adhesives are just not fast or versatile enough for many of today's industrial assembly applications:

- Only bond certain materials
- Take too long to fixture and cure
- Low strength
- Susceptible to chemicals, temperature extremes, impact or vibration

### THE LOCTITE® SOLUTION

HY 4070™ can solve all of those problems. With the ability to design using today's lightweight materials, and providing for faster, more efficient manufacturing, it is redefining structural bonding:

- Fast fixture times, minimizing production delays
- Fast strength build, perfect for assembly processes
- Material versatility opens up design options



### HY 4070™ BENEFITS:



#### 1. Fast Strength Build:

If a bond takes too long to cure, it can slow down your whole production line. HY 4070™ fixtures in 1-2 minutes (even at low temperatures) and reaches 50% handling strength within 30 minutes – faster than most epoxies or acrylics. It can actually accelerate your production process.



## 2. Multi-Material Bonding:

Some adhesives work fine on specific materials. But none can match the substrate versatility of LOCTITE® Universal Structural Bonders. Metal to metal. Metal to plastic. Metal to rubber. Plastic to plastic. You name it, HY 4070™ can bond it. Faster.



## 3. Strong, Durable Bond:

Excellent balance of performance, speed, substrate versatility, and health and safety.

- Non-flammable
- Good resistance to temperature, moisture, chemicals, Impact and vibration
- Gap fill ability up to 5mm
- Minimal health & safety labeling
- No isocyanates

### LOCTITE® HY 4070™

Item Number	Package Size	Color / Viscosity	Mix Ratio	Fixture Time [With Gap*]	Working Time	Lap Shear Strength* [N/mm <sup>2</sup> ]				Gap Fill	Temperature Resistance
						Steel [Grit Blasted]	Aluminum [etched]	Polycarbonate	Nitrile		
2264448	11 gm	Slightly cloudy to light yellow gel	10:1	<1 min. @ 0.05 mm	3-4 min.	24-26	22-24	***	***	Up to 5 mm depending on bond geometry	120°C
2494415	45 gm <sup>♦</sup>			2-4 min. @ 2.0 mm							

<sup>♦</sup>45 gm pack requires use of dispense gun -- see chart below

\*Aluminum @ 25°C

\*\*ISO 4587, After 22 hours, 22°C

\*\*Bond exceeded strength of substrate

Contact your Henkel Representative for Technical Data Sheet

### DISPENSING EQUIPMENT

Package	Dispenser		Mix Nozzles
	Item #	Description	Item #
11 gm	N/A	Integrated plunger part of syringe package	1434516
45 gm	267452	Manual Universal Hand Gun, 50 ml	1509102

LOCTITE® Universal Bonders.  
Almost Nothing They Can't Do.



LOCTITE's line of universal bonders have been engineered for substrate versatility, fast cure times and high strength. They can bond almost anything, bond quickly, and hold up under conditions that can make other adhesives fail.

And when bonders can do all that, there's almost nothing they can't do.

LEARN MORE ABOUT LOCTITE® UNIVERSAL BONDERS AND HY 4070™ AT [EXPLORELOCTITE.COM](http://EXPLORELOCTITE.COM)

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