

CAN HAUL 208 TONS.

THE TRAIN IS PRETTY STRONG TOO.

Introducing Limitless Bonding.

How tough are the new LOCTITE
Universal Structural Bonders?

LOCTITE[®]



Introducing
Limitless Bonding.*
For Limitless Design.

Powered by innovative hybrid technology, LOCTITE Universal Structural Bonders combine the **speed of instant adhesives** with the **strength and durability of structural adhesives**. The versatility of LOCTITE Universal Structural Bonders make it possible to use structural bonders in more ways—and for more applications—than ever before.

Simplified production processes. Fast fixture. Safe application. **Bringing the dream of the perfect design to life.**



Expanding your Design Solutions.

With the addition of LOCTITE Universal Structural bonding adhesives, Henkel offers the broadest portfolio of structural bonding products to meet virtually any design requirement.

LOCTITE HY 4090
Fast and Versatile
Structural Bonder.



- Suitable for a variety of substrates, including metals, most plastics and rubbers—opening up your design possibilities
- Fast fixture times even at low temperatures (5°C)— minimizing production delays
- Good moisture, temperature (up to 150°C) and chemical resistance—the bond will endure
- Impact and vibration resistant—the bond will endure
- Low blooming—maintains aesthetic appeal on opaque materials
- Also available in grey color to ensure consistent, proper mix

Product	Item Number	Pack	Recommended Mixing Nozzle (Item #)	Color/ Viscosity	Mix Ratio	Fixture Time (GBMS)	Working Time	Lap Shear Strength [†] (N/mm ²)	Temperature Resistance
LOCTITE HY 4090	2123344	50 ml	1573153	Slightly cloudy to light yellow gel	1:1	4-6 minutes	3-5 minutes	Steel (Grid blasted) : 16-18	150°C
								Aluminum (Etched) : 11-14	
	2123342	400 ml	1573153					Polycarbonate : 5-7	
	Nitrile : ††								

[†]ISO 4587, After 24 hours, 22°C | ^{††}Bond exceeded strength of substrate | Contact your Henkel Representative for a Technical Data Sheet



Introducing Limitless Bonding*. For Limitless Repair.

Nothing creates a feeling of pride more than a plant running smoothly. So when something goes down, time is of the essence. And every minute spent chasing down parts or rigging a fix is not just a mechanical challenge, but a personal one.

Powered by innovative hybrid technology, LOCTITE Universal Structural Bonders can help keep your plant running with repairs that are fast, easy and durable. **For Limitless Repair. When time is anything but.**



Essential in Any Toolbox.

LOCTITE Universal Structural Bonders are the newest additions to the portfolio of LOCTITE adhesives, sealants and protective coatings, helping industries around the world reduce maintenance costs, increase reliability, and improve the safety and efficiency of their plants and equipment.

LOCTITE HY 4060 GY Durable, 5-Minute Structural Adhesive.



- Fast fixture time even at low temperatures—reduces maintenance costs
- High gap filling capability—excellent for universal repairs
- Excellent bond strength on many materials such as metal, plastics, rubber, wood, paper, leather—opens repair possibilities
- Machinable on metals—reduces replacement costs
- Very good chemical and solvent resistance—increases repair reliability
- Color indication to ensure consistent, proper mix

Product	Item Number	Pack	Color/ Viscosity	Mix Ratio	Fixture Time (GBMS)	Working Time	Lap Shear Strength [†] (N/mm ²)	Gap Fill	Temperature Resistance
LOCTITE HY 4060 GY	2210487	25 ml	Grey (mixed) Gel	1:1	4-6 minutes	3-5 minutes	Steel (Grid blasted) : 16-18	Up to 5 mm depending on bond geometry	-40°C to 150°C
							Aluminum (Etched) : 11-14		
							Polycarbonate : 5-7		
							Nitrile : ††		

[†]ISO 4587, After 24 hours, 22°C | ^{††}Bond exceeded strength of substrate | Contact your Henkel Representative for a Technical Data Sheet

LOCTITE®
BONDERITE®
TECHNOMELT®
TEROSON®
AQUENCE®

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