



LOCTITE® HY 4090™ - Structural Hybrid Adhesive

Henkel's innovative technology delivers the strength of a structural adhesive with the speed of an instant adhesive

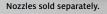
LOCTITE® HY 4090™ structural hybrid adhesive is an innovative hybrid technology that provides the bond strength and speed you need to solve your design and assembly challenges. With the strength of a structural adhesive and the speed of an instant adhesive, LOCTITE® HY 4090™ offers both performance and versatility.

This powerful combination provides impact resistance, high strength bonding on a variety of substrates, and excellent chemical resistance – making LOCTITE® HY 4090™ the essential adhesive solution. LOCTITE® HY 4090™ opens the door to new applications and new solutions.

These are just some of the benefits of LOCTITE® HY 4090™:

- Strength of a structural adhesive
- · Speed of an instant adhesive
- Impact and vibration resistance
- Temperature resistance up to 300°F (150°C)
- Gap filling up to 0.2" (5 mm)
- Suitable for a variety of substrates, including metals, most plastics and rubbers









LOCTITE® HY 4090™ STRUCTURAL HYBRID ADHESIVE

delivers high quality performance in extreme environments and challenging conditions. This hybrid powerhouse provides the necessary versatility to solve most every design, assembly and repair challenge.

In addition to combining the critical attributes of structural and instant adhesives, LOCTITE® HY 4090™ offers:

- Fast fixture times even at low temperatures 40°F (5°C)
- Low blooming
- Good UV resistance
- Optimized packaging and longer open times for larger surface applications



Features and Benefits:











TECHNICAL DATA		
COLOR	Slightly cloudy to light yellow	
APPEARANCE	High viscosity gel	
MIX RATIO (VOLUME)	1:1	
WORKING TIME	3 to 5 min.	

PROPERTIES OF CURED MATERIAL		
LAP SHEAR STRENGTH, ISO 4587, AFTER 24 HOURS, 72°F (22°C)	Steel (grit blasted) Aluminum (etched) Polycarbonate	17 N/mm² 13 N/mm² 6.9 N/mm²
HIGH GAP FILL	Up to 0.2" (5 mm) depending on bond geometry	
TEMPERATURE RESISTANCE	-40°F to 300°F (-40°C to 150°C)	
CHEMICAL RESISTANCE	Very good chemical/solvent resistance	

HENKEL CORPORATION

Engineering Adhesives One Henkel Way Rocky Hill, Connecticut 06067 Tel: 1.800.LOCTITE (562.8483) Tel: 860.571.5100

Fax: 860.571.5465

na.henkel-adhesives.com/4090

