

LOCTITE®



Resist the Elements

with Loctite® 4090 – The first structural instant adhesive

Strong bonding in exposed environments with new hybrid technology

- High moisture resistance
- Impact resistance
- Gap filling up to 5 mm
- Temperature resistant up to 150°C



A new generation of hybrid instant adhesives for structural bonding

The new hybrid technology of Loctite® 4090 opens completely new application areas for instant adhesives in structural bonding – for the very first time combining instant adhesive properties with those for epoxies to give more striking benefits.



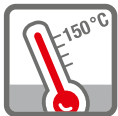
For optimal processing of structural parts the fast fixing time of an instant adhesive has been enriched by:



High Moisture Resistance
for applications resisting humid environments and for outdoor use



Impact Resistance
for highly stressed joints and applications exposed to vibrations



Up to 150°C temperature resistance
tested to resist extreme conditions



Gap filling up to 5 mm
bonding structural parts filling gaps with 3 – 5 min. open time

In addition to classic instant adhesive qualities, such as excellent adhesion on multiple substrates incl. plastics, metal and rubber. Loctite® 4090 offers:

- fast fixture times even at low temperatures (5°C)
- low blooming
- good UV resistance
- optimised packaging and longer open times for larger surface applications

Technical Data	
Colour	Slightly cloudy to light yellow
Appearance	High viscosity gel
Mix ratio (volume)	1:1
Working time	3 – 5 min

Properties of cured material		
Lapshear strength, ISO 4587, after 24 hours, 22°C	Steel (grit blasted)	17 N/mm ²
	Aluminium (etched)	13 N/mm ²
	Polycarbonate	6.9 N/mm ²
High gap fill	up to 5 mm depending on bond geometry	
Temperature resistance	– 40°C to 150°C	
Chemical resistance	Very good chemical/solvent resistance	

Henkel Ltd
Wood Lane End, Hemel Hempstead
Hertfordshire
HP2 4RQ
U.K.
Tel.: +44 (0)1442 278000
Fax: +44 (0)1442 278071
www.loctite.co.uk



The data contained herein are intended as reference only. Please contact Henkel Technical Support Group for assistance and recommendation on specifications for these products.

® designates a trademark of Henkel AG & Co. KGaA or its affiliates, registered in Germany and elsewhere © Henkel AG & Co. KGaA, 2013