

AG – New Product Introduction

Loctite® High-Temperature Cyanoacrylates



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At a glance – new high temperature Industrial Instant Adhesives from Henkel Loctite®



**NOW: High-temperature
resistance of up to +120°C
(previously up to +80°C)!**



General Purpose

Plastic and Rubber

General Purpose Gel

Technical data

NEW high-temperature Loctite® 401, 406, 454

	401	406	454
Purpose	Universal	Plastic and rubber	Universal
Substrates	For porous and absorbent substrates such as wood, paper, leather, cork and fabric	For elastomers and rubbers, including EPDM, NBR, SBR, Nitrile	For porous and absorbent substrates such as wood, paper, leather, cork and fabric
NEW features	High temperature resistance of up to +120°C	High temperature resistance of up to +120°C	High temperature resistance of up to +120°C
Colour	Colourless	Colourless	Colourless
Fixture time	3 – 10 sec.	2 – 10 sec.	5 – 10 sec.
Viscosity	Low/medium viscosity 100 mPa-s	Low viscosity 20 mPa-s	Gel
Top features	For Acidic surfaces such as chromated or galvanised surfaces	For difficult to bond materials such as PE, PP PTFE when combined with a Loctite® Polyolefin Primer	For Acidic surfaces such as chromated or galvanised surfaces Ideal when non-dripping is required, or for use on vertical or overhead surfaces
Approvals	NSF P1 123011	./.	NSF P1 123009
Pack sizes	20g, 50g, 500g	20g, 50g, 500g	3g, 20g, 300g

Features and Benefits of NEW high-temperature Loctite® 401, 406, 454

Features	Benefits
High temperature resistance of up to +120°C	Use in new, higher-temperature applications
Kept key performance features	Maintained reliability in existing applications
Enlarged range of high-temperature Instant Adhesives	Opportunities for a large number of applications
Ready for use with Loctite® professional dispensing equipment	New products quickly to be integrated in all existing production processes
Innovative and market-leading technology	Support of customer innovation process

Main performance benefits Industrial Instant Adhesives from Henkel Loctite®

- Very fast fixturing and positioning of parts
- High strength bond
- Bond a wide range of substrates
- Even suitable for PE, PP, PTFE, when combined with Loctite® Polyolefin primer
- Clean and easy to apply
- State of the art manual and automated dispensing equipment

Win, Maintain or Regain applications with NEW Loctite® 401, 406, 454

1. High-temperature requirement profile

- White goods (washing machines, dryers, etc.)
- „Heated up“ equipment
- Light sources and lamps

2. Higher temperature resistance over life-time of sub-assemblies/end-products

- Electronic parts and components, e.g. rechargeable batteries and generators
- Electrical motors (i.e. shaft bearing, magnet bonding, housing)
- Loudspeakers

3. Increased robustness of sub-assemblies/end-products, manufacturing, logistics

- Higher temperature conditions caused by any type of device adjacent to a heat source (oven, radiator, ...)
- Changes in manufacturing processes
- Transport and storage conditions