

LOCTITE®

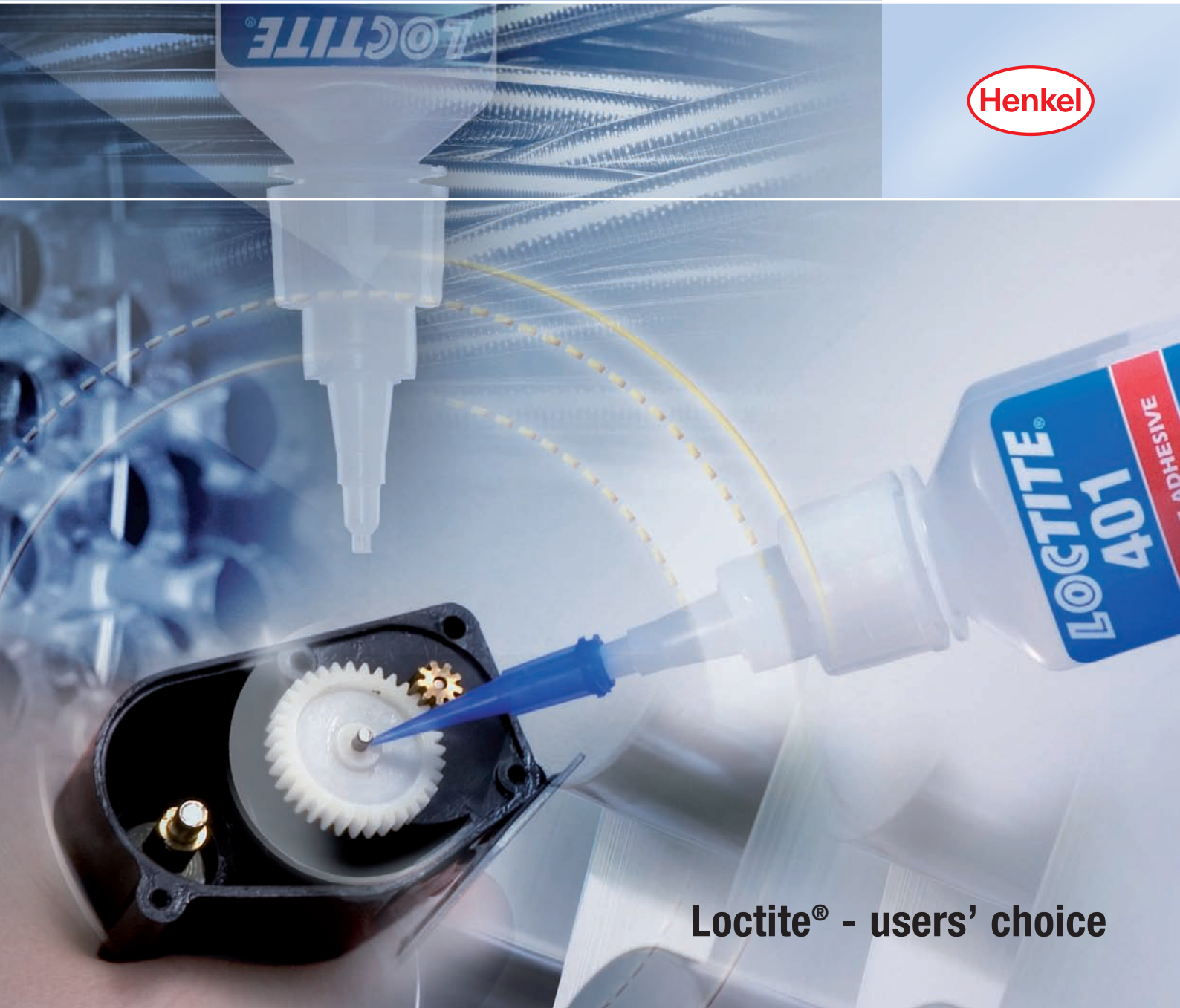
Faster. Stronger. Superior.

The best Loctite® Instant Adhesives ever.



Small drop **Big effect**

Henkel



Loctite® - users' choice

The best Loctite® Instant Adhesives ever!



Faster



Stronger



Superior

Experience the most innovative Loctite® product range ever.

Bonding in seconds, Loctite® products lead the world in Instant Adhesive technology. Henkel has conducted a range of innovative product improvements and developed new products, thus enlarging the spectrum of applications in instant bonding.

Faster. Stronger. Superior. The best Loctite® Instant Adhesives you ever had!

In order to achieve the most efficient use, the new range is supported by:

- ▲ a new bottle offering enhanced ease and accuracy of dispensing
- ▲ a wide range of primers and accelerators
- ▲ a professional range of dispensing equipment for semi or fully automatic processes, adapted to the different Loctite® Instant Adhesive viscosities.

See for yourself how much innovation every little drop of Loctite® contains!





For additional information visit our website at:

www.loctite-users-choice.com

LOCTITE®

Outstanding Innovation Highlights.



New products

Toughened

Loctite® 435

- ◆ Fast curing
- ◆ Colourless and transparent
- ◆ Also suitable for bonding porous and absorbent substrates as well as acidic surfaces
- ◆ Low viscosity

Loctite® 438

- ◆ Fast curing
- ◆ Colour: black
- ◆ Also suitable for bonding porous and absorbent substrates as well as acidic surfaces
- ◆ Low viscosity

Product enhancements

Universal

Loctite® 401

- ◆ Improved fixture speed on a wider range of porous substrates
- ◆ Longer shelf life

Loctite® 431

- ◆ Improved fixture speed on a wider range of porous substrates
- ◆ Longer shelf life
- ◆ Improved bond strength, especially on metals

Loctite® 454

- ◆ Improved fixture speed

Low bloom, low odour

Loctite® 403

Loctite® 408

Loctite® 460

- ◆ Improved fixture speed on metals and plastics
- ◆ Improved bond strength on a wide range of substrates
- ◆ Now suitable for bonding porous and absorbent substrates as well as acidic surfaces
- ◆ Longer shelf life

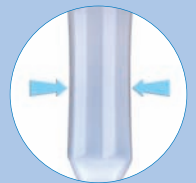
New Loctite® bottle



new nozzle –
optimal dispensing
accuracy and control



high flexibility
and perfect flow control – **easy to squeeze**



safer use –
close with a click






Faster

for general purpose.

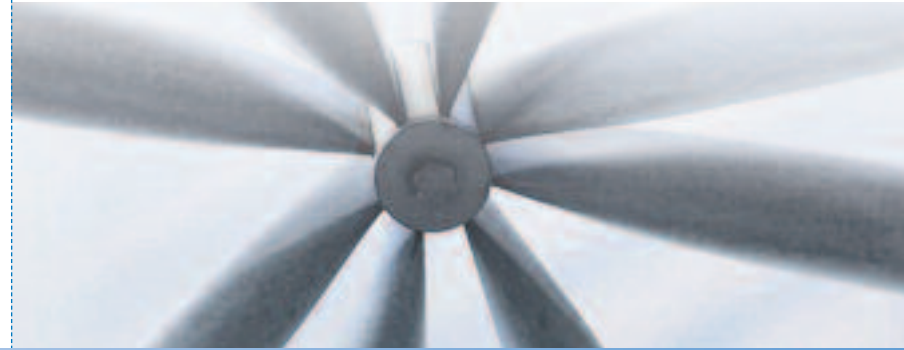




LOCTITE®

	Top features	Application	Loctite® products		
 Universal	<ul style="list-style-type: none"> ▲ General purpose, bond most substrates ▲ For porous substrates such as wood, paper, leather, cork and fabric ▲ For acidic surfaces such as chromated or galvanised surfaces 	Bonding examples: <ul style="list-style-type: none"> ▲ Synthetic rubber feet to ABS housing ▲ Absorbing material to steel sheet ▲ Safety rubber pads to aluminium ladder steps ▲ PVC to paper for packaging materials 	401	<ul style="list-style-type: none"> ▲ Low viscosity ▲ Improved fixture speed 	
			431	<ul style="list-style-type: none"> ▲ Medium viscosity ▲ Improved bond strength 	
			454	<ul style="list-style-type: none"> ▲ Gel ▲ For vertical and overhead surfaces and/or larger gaps ▲ Improved fixture speed 	
 Plastics & rubber	<ul style="list-style-type: none"> ▲ Bond most plastics ▲ For elastomers and rubbers, including EPDM, NBR, SBR, Nitrile ▲ For difficult to bond materials: PE, PP, PTFE, thermoplastic rubbers or silicon rubbers when combined with a Loctite® Polyolefin Primer 	Bonding examples: <ul style="list-style-type: none"> ▲ Rubber o-rings ▲ Rubber seals ▲ Braided sleeve to rubber heater hose ▲ Plastic housing base to fire extinguisher bottle 	406	<ul style="list-style-type: none"> ▲ Very fast fixture speed ▲ Low viscosity 	
			424	<ul style="list-style-type: none"> ▲ Low viscosity 	
			4062	<ul style="list-style-type: none"> ▲ Extremely fast fixture speed ▲ Very low viscosity 	
 Metal	<ul style="list-style-type: none"> ▲ High strength adhesive ▲ Particularly high bond strength on metals ▲ Good adhesion to rubber and plastics 	Bonding examples: <ul style="list-style-type: none"> ▲ Aluminium potentiometer scale to painted steel control box ▲ Small bearings into plastic/metal housings ▲ Strain gauges in position ▲ Abrasive tips to machine tools 	415	<ul style="list-style-type: none"> ▲ High viscosity 	
			493	<ul style="list-style-type: none"> ▲ Very low viscosity 	
			496	<ul style="list-style-type: none"> ▲ Low viscosity 	

Stronger

for challenging environments.



	Top features	Application	Loctite® products	
 Toughened	<ul style="list-style-type: none"> High resistance to impact and shock loads; high peel strength Good resistance in humid and/or chemical environments Designed to bond plastics, rubber and metals 	Bonding examples: <ul style="list-style-type: none"> Rubber tyre to ABS wheel on model car Rubber tube to rubber fitting Ferrite magnets to plastic housing Loudspeakers parts 	435 New	<ul style="list-style-type: none"> Fast curing adhesive Colourless and transparent Also for porous and absorbent substrates and acidic surfaces Low viscosity
			438 New	<ul style="list-style-type: none"> Fast curing adhesive Colour: black Also for porous and absorbent substrates and acidic surfaces Low viscosity
			480	<ul style="list-style-type: none"> Ideal for bonding metal to metal, rubber or magnets (ferrite, etc.) Colour: black Low viscosity
 High temperature	<ul style="list-style-type: none"> Excellent hot strength and heat aging capabilities Good resistance in humid and/or chemical environments Good resistance to impact, shock and peel loads 	Bonding examples: <ul style="list-style-type: none"> E-cores Steel cover plates in transformers Plastic or metal housings of electrical motors Disk drives 	4203	<ul style="list-style-type: none"> Low viscosity
			4204	<ul style="list-style-type: none"> Medium viscosity
			4205	<ul style="list-style-type: none"> High viscosity Suitable for porous surfaces, gap fill and vertical or overhead applications



For additional information visit our website at:




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Superior

for demanding applications.



	Top features	Application	Loctite® products		
 Low bloom, low odour	<ul style="list-style-type: none"> ♣ Where low odour is required ♣ Where cosmetic appearance is important ♣ Improved fixture speed on metals and plastics ♣ For porous and absorbent substrates and acidic surfaces 	Bonding examples: <ul style="list-style-type: none"> ♣ PA plug in stainless steel sensor housing ♣ ABS inner part on wood body of a fountain pen ♣ Clear plastic display systems ♣ Housing components of electrical appliances 	403	<ul style="list-style-type: none"> ♣ High viscosity 	
			408	<ul style="list-style-type: none"> ♣ Very low viscosity 	
			460	<ul style="list-style-type: none"> ♣ Medium viscosity 	
 Flexible	<ul style="list-style-type: none"> ♣ Especially designed for bonding flexible materials and components ♣ Ensure flexibility even through the bond line ♣ Also for porous and absorbent substrates and acidic surfaces 	Bonding examples: <ul style="list-style-type: none"> ♣ Flexible rubber profile to painted steel refrigerator door ♣ Flexible gaskets and seals ♣ Materials used in manufacture and repair ♣ Loudspeakers parts 	4850	<ul style="list-style-type: none"> ♣ Medium viscosity 	
			4860	<ul style="list-style-type: none"> ♣ High viscosity 	
 UV Curing	<ul style="list-style-type: none"> ♣ Extremely fast cure with UV or visible light ♣ Good cosmetic appearance ♣ Good adhesion to plastics, rubber and metals ♣ Cure exposed adhesive without the need of an activator 	Bonding examples: <ul style="list-style-type: none"> ♣ PVC tube to ABS connector ♣ PC windows to ABS housing ♣ Logos and plastics parts in the cosmetic industry ♣ Polyurethane foam to PVC plastics 	4304	<ul style="list-style-type: none"> ♣ Low viscosity ♣ Light yellow-green and transparent 	
			4305	<ul style="list-style-type: none"> ♣ High viscosity ♣ Light yellow-green and transparent 	



Dispensing Equipment

Dispensing Equipment

Surface Preparation

Semi-automatic dispensing systems

Automatic dispensing equipment

Primers Improve adhesion on difficult to bond substrates

Loctite® products

Low volume application

98548

peristaltic dispenser

- ◆ Dispensing of beads and drops
- ◆ High dispensing accuracy independent of temperature or viscosity variations
- ◆ For low to medium viscosity Loctite® Instant Adhesives, out of original package
- ◆ Programmable flow rate
- ◆ Simple load mechanism and easy cleaning
- ◆ Snuff-back effect prevents dripping of the fluid
- ◆ Air-free dispensing

Medium to high volume application

97009

integrated controller & reservoir

in combination with

97130 ErgoLoc

hand-held valve

- ◆ Dispensing of beads and drops
- ◆ Automatic adhesive level sensing to prevent air entrapment
- ◆ Reservoir suitable for 500 g and 2 kg pack sizes
- ◆ Maintenance-free system (up to 2 million cycles)
- ◆ Ergonomic valve
- ◆ End of cycle relay output for system integration

Loctite® products

Pressure-time dispensing system

97123

automatic controller

in combination with

97106

modular reservoir

98013

stationary valve

- ◆ High accuracy of drop and bead dispensing
- ◆ For low to high viscosity Loctite® Instant Adhesives
- ◆ Reservoir suitable for 500 g pack size
- ◆ Upgrade option for flow monitoring

Volumetric dispensing equipment

97643 VoluBrane

volumetric pump

- ◆ High accuracy of drop dispensing
- ◆ No influence of temperature or viscosity variation
- ◆ Can be integrated into automatic production lines
- ◆ For low to high viscosity Loctite® Instant Adhesives
- ◆ Optional:
 - ◆ Loctite® 97102 or Loctite® 97123: automatic controller
 - ◆ Loctite® 97106: modular reservoir

Loctite® products

770

- ◆ Polyolefin Primer
- ◆ Especially for PE and PP
- ◆ Also suitable for silicone and PTFE
- ◆ Long on-part life
- ◆ Fluorescent under UV light / black light

7239

- ◆ General purpose Primer
- ◆ Suitable for use on all industrial plastics

Activators Accelerate cure of Loctite® Instant Adhesives

Loctite® products

7452

- ◆ Particularly suitable for post-application
- ◆ Excellent for cosmetic applications, for clear and transparent adhesive beads or fillets
- ◆ Not suitable for stress cracking sensitive plastics

7455

- ◆ Pre- and post-application
- ◆ Provides fast cure when post-applied
- ◆ Suitable for all plastics

7458

- ◆ Long on-part life when pre-applied
- ◆ Provides particularly fast cure when post-applied
- ◆ Very good for cosmetic applications: for clear and transparent adhesive beads or fillets
- ◆ Fluorescent under UV light / black light
- ◆ Low odour
- ◆ Suitable for all plastics

The data contained herein are intended as reference only. Please contact your local Henkel technical support group for assistance and recommendation on specifications for these products.



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www.loctite.co.uk

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