



Loctite® Instant Adhesives

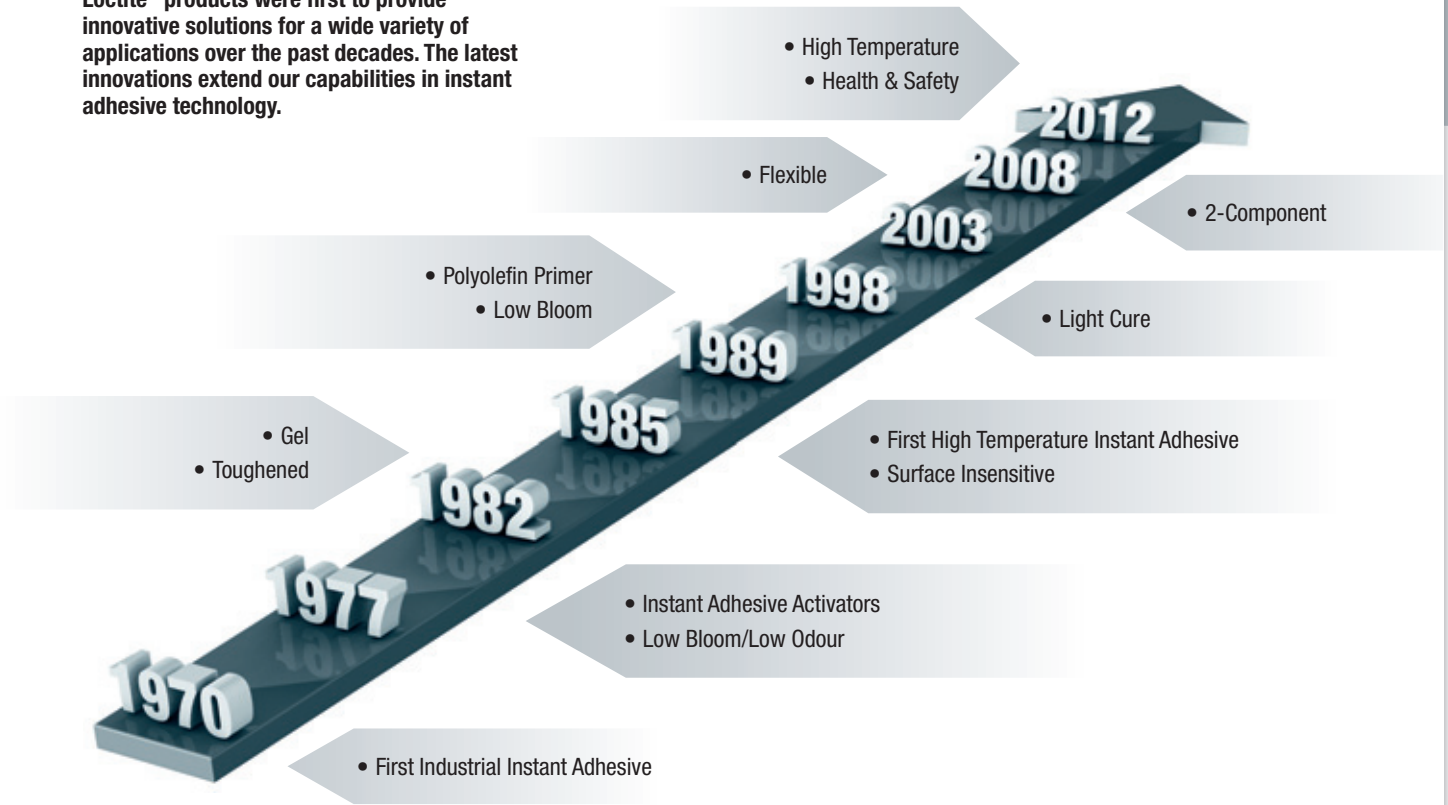
Discover Our Entire Portfolio Including the Latest Innovations



Henkel Excellence is our Passion

Innovations in Loctite® Instant Adhesive Technology

Loctite® products were first to provide innovative solutions for a wide variety of applications over the past decades. The latest innovations extend our capabilities in instant adhesive technology.



In 2012 the innovation story continues ...



High Temperature Resistance

Loctite® 401, 406 and 454 with improved temperature resistance:

- Resist temperatures up to 120°C
- High-level core performance characteristics
- Opportunities for a wider range of applications



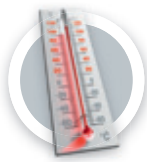
Health & Safety

Loctite® 403, 408 and 460 with significant Health & Safety benefits:

- Low odour = Improved worker safety
- Classified as non-irritant
- No Health & Safety related risk phrases in the MSDS

Latest Innovations in Instant Adhesives

Discover Our New Improved Products



Products built to take the heat



Loctite® product	401 Universal	406 Plastic & Rubber	454 Universal
Properties	<ul style="list-style-type: none"> • Colourless • Low viscosity 	<ul style="list-style-type: none"> • Colourless • Low viscosity 	<ul style="list-style-type: none"> • Colourless • High viscosity gel
Product highlights	<ul style="list-style-type: none"> • High temperature resistance of up to 120°C • For bonding metal, plastic and rubber as well as porous substrates such as wood, paper, leather, cork and fabric • Also for acidic surfaces such as chromated or galvanised parts • Food approval: P1 NSF Reg.No.: 123011 	<ul style="list-style-type: none"> • High temperature resistance of up to 120°C • For rapid bonding of plastics, rubbers, including EPDM, and elastomers • Well suited for polyolefins in combination with Loctite® Polyolefin Primer 770 or 7239 	<ul style="list-style-type: none"> • High temperature resistance of up to 120°C • General purpose gel for non-drip vertical and overhead use • For bonding metal, plastic and rubber as well as porous substrates such as wood, paper, leather, cork and fabric • For acidic surfaces such as chromated or galvanised parts • Food approval: P1 NSF Reg.No.: 123009



New Improved Products leading in Health & Safety



Loctite® product	403 Low Odour, Low Bloom	408 Low Odour, Low Bloom	460 Low Odour, Low Bloom
Properties	<ul style="list-style-type: none"> • Colourless • High viscosity 	<ul style="list-style-type: none"> • Colourless • Very low viscosity 	<ul style="list-style-type: none"> • Colourless • Low viscosity
Product highlights	<ul style="list-style-type: none"> • Products for improved worker safety • Classified as non-irritant • Improved product performance • Low odour, low bloom: for applications where cosmetic aspects are important • For porous substrates such as wood, paper, leather, cork and fabric 		

Product Selector Chart

Choose the Right Solution

Product category	Loctite® product	Viscosity in mPa·s	Colour	Substrates				Service temperature range	Pack sizes
				Plastics/polyolefins	Rubbers	Metals	Porous and/or acidic surfaces		
Universal	401 NEW	100	Colourless	• / •*	•	•	••	-40 to +120°C	3g, 20g, 50g, 500g
	431	1,000	Colourless	• / •*	•	•	••	-40 to +80°C	20g, 500g
	454 NEW	gel	Colourless	• / •*	•	•	••	-40 to +120°C	10g, 20g, 300g
Plastic & Rubber	406 NEW	20	Colourless	•• / ••*	••	•		-40 to +120°C	20g, 50g, 500g, 2kg
	4062	2	Colourless	•• / ••*	••	•		-40 to +80°C	20g, 50g, 500g
Metal	496	125	Colourless	• / •*	•	••		-40 to +80°C	20g, 50g, 100g, 500g
Low Odour, Low Bloom	403 NEW	1,200	Colourless	• / •*	•	•	••	-40 to +80°C	50g, 500g
	408 NEW	5	Colourless	• / •*	•	•	••	-40 to +80°C	20g, 500g
	460 NEW	40	Colourless	• / •*	•	•	••	-40 to +80°C	20g, 50g, 500g
Shock & Impact Resistance	435	200	Colourless	•• / •*	••	••	••	-40 to +100°C	20g, 500g
	438	200	Black	• / •*	•	••	••	-40 to +100°C	20g
	480	200	Black	• / •*	••	••		-40 to +100°C	20g, 500g
Gap Filling	3090	gel	Colourless	• / •*	••	•	••	-40 to +80°C	10g, 50g
Flexible	4850	400	Colourless	•• / •*	••	•	••	-40 to +80°C	20g, 500g
Light Cure	4304 ^{Med}	20	Colourless	•• / •**	•	•		-40 to +100°C	28g
	4305 ^{Med}	900	Colourless	•• / •**	•	•		-40 to +100°C	28g, 454g
Medical	4061 ^{Med}	20	Colourless	•• / ••**	•	•		-40 to +80°C	20g, 454g
	4011 ^{Med}	100	Colourless	• / •**	•	•		-40 to +80°C	20g, 454g

Med = Certified according to ISO 10993 for medical device manufacturing

•• well suited for
• suited for

* in combination with Primer Loctite® 770 or Loctite® 7239
** in combination with Primer Loctite® 7701

Process Solutions

Equipment for Your Application Needs

Loctite® Dispensing Equipment for Instant Adhesives



	Volumetric Hand Pump (#1508477)	Benchtop Peristaltic Dispenser Loctite® 98548 (#769914)	Manual Hand-Held Dispense System (#1388653)	Semi-Automated Dispense System (#1388647)
Dispensing Capabilities	Dots	Dots, Beads	Dots & Drops, Beads	Microdots, Dots or Drops, Microbeads to medium beads
Product Viscosity	Low	Low	Low to medium	Low to medium
Dispenser Type	Volumetric	Volumetric	Pressure time	Pressure time
Suck Back	No	Yes	No	No
Add-on features	–	–	Fingerswitch	Online Monitoring, Higher-level PLC, ...
Level sensor	No	No	Yes	Yes
Power source	–	Electric	Electric & pneumatic	Electric & pneumatic

Loctite® Surface Preparation

Loctite® 770 / 7701* Primer	Loctite® 7455 Activator	Loctite® 7458 Activator
<ul style="list-style-type: none"> • Polyolefin primer • For substrates such as PE, PP, PTFE • Provides best adhesion for instant adhesives to polyolefin and other low surface energy plastics • For pre-application 	<ul style="list-style-type: none"> • For all substrates • On part life < 1 min. • Fast fixturing between close fitting parts • For post-application 	<ul style="list-style-type: none"> • For all substrates • On part life < 24 h • Low odour • Good aesthetic appearance • For pre- and post-application

* For medical applications

Henkel – Your Partner Worldwide

5001424

**For more information, please visit
www.loctite.co.uk/instantadhesives**

Henkel Ltd
Woodlane House End
Hemel Hempstead
Hertfordshire
Tel.: 01442 278100
Fax: 01442 278071
www.loctite.co.uk
www.terason.com

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, 2012