

Solution Guide



Introduction

How can this guide help you make the right choice?

This Solution Guide has been developed to make your product selection quick, easy and right the first time. Select the best product from the Henkel portfolio and choose the solution that's right for your business.

Henkel is a world-wide operating, market-driven specialist in brands and technologies providing all-round competence from one single source. Strong brands with proven and trusted names – such as Loctite®, Teroson, Hysol®, Nordbak® – are the key to securing ongoing and future market success.

Keep it running – Keep it simple – Do it fast

Henkel solutions are designed to help maintenance professionals in any industry to work smarter, increase equipment reliability, reduce downtime and equipment failures.

This guide offers clear, quick, effective solutions to the most common problems. There are several starting points:

- The problem solving section
- The product categories from the Henkel portfolio
- The product list including ordering information

Hands-on Maintenance Workshops help drive down costs

Learn to cut maintenance time and costs while increasing the reliability of your equipment: Loctite® In-Plant Maintenance Workshops are designed

- to fit your needs
- to provide maintenance personnel with the necessary skills and tools
- to reduce plant down time and maintenance costs.

For further details or services, please visit our web site at www.henkel.com or contact your local Henkel Technical Support specialist. For additional information visit our website at www.loctite-users-choice.com.



Table of Contents

4	Problem Solving Guide
10	Threadlocking
12	Pipe and Thread Sealing
14	Gasketing
16	Retaining
18	Instant Bonding
20	Structural Bonding
22	Flexible Sealing and Bonding – Silicone
24	Flexible Sealing and Bonding – MS Polymer
26	Metal-filled Compounds
28	Wearing Compounds
30	Cleaning
32	Surface Preparation
34	Lubrication – Dry Film and Oils / Greases / Anti-Seize
40	Surface Treatment and Rust Prevention
41	Emergency Repair Products
42	Equipment
45	Maintenance Workshop
46	Pump & Centrifuge / Gearbox & Shaft
50	Product Ordering Information / Index

What's the Problem?



Nuts, Bolts, Studs, Threaded Parts

- Nuts, bolts, studs and other threaded parts loosening
- Need to prevent threads corroding and seizing

Page
10

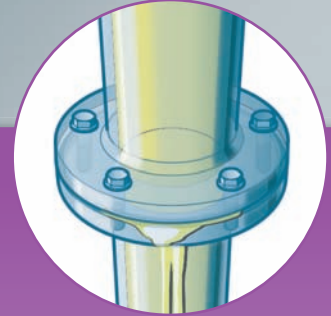


Fluid Pipe Systems

- Leaks from hydraulic, air, coolant, oil or other threaded fittings
- Blockages caused by debris from traditional tape and hemp/paste sealants
- Need to lock and seal valves, gauges, taps and fittings in any position without leaks

See also Emergency Repair Products on page 41

Page
12

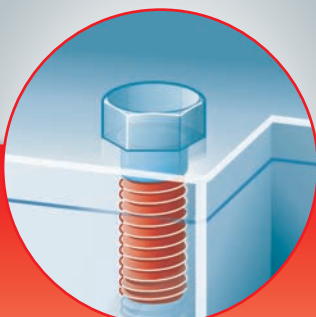


Flanges Leaking

- Bolted flanges leaking
- Fretting corrosion and/or bolt fatigue
- Bolts loosen as gaskets relax
- Need to stop movement between the flanges

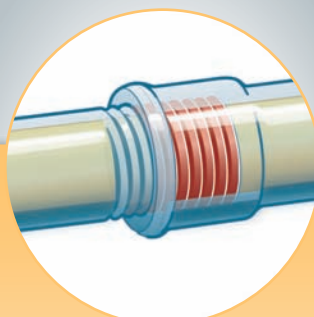
Page
14

Our Solution



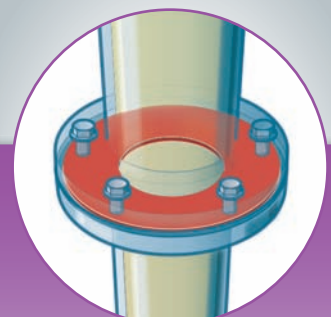
Threadlocking

Our Solution



Pipe and Thread Sealing

Our Solution



Gasketing



Bearings, Bushes, Shafts, Cylindrical Parts

- Loose bearings, bushes, shafts or cylindrical parts that have become oval
- Prevent reoccurrence of fretting corrosion and wear in coaxial assemblies
- Need to increase strength
- Simplify assembly process

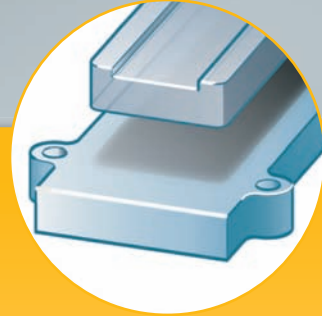
Page
16



Joining Small Parts

- Join different materials rapidly
- Bond parts temporarily during positioning or repair
- Re-use broken parts
- Need to speed up production

Page
18

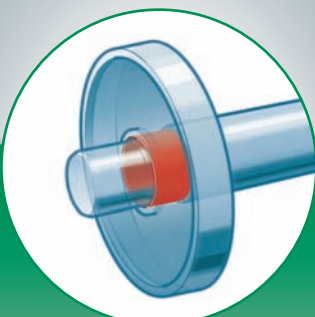


Joining Large/ Structural Parts

- Strong durable joints between different materials
- Replace welding/riveting – with a corrosion-free, reduced stress joint

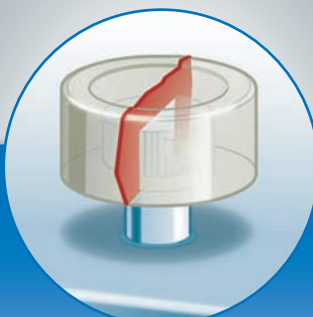
Page
20

Our Solution



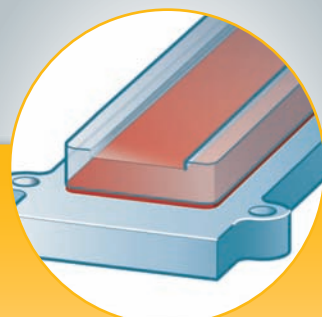
Retaining

Our Solution



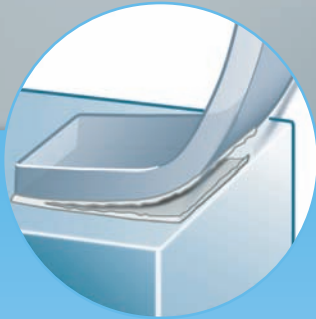
Instant Bonding

Our Solution



Structural Bonding

What's the Problem?



Flexible Joining of Parts

- Impact and vibration-resistant joint
- Permanently flexible bonding of different materials
- Joints have large gaps or are subject to high temperatures

Page

22

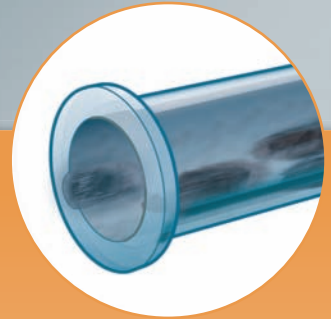


Worn and Damaged Parts

- Re-build, restore, repair metal parts and assemblies
- Make castings, moulds and fixtures

Page

26



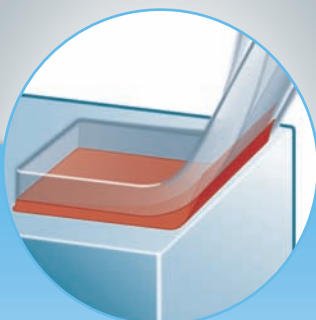
Wear

- Repair or prevent erosion, sliding abrasion, wear and corrosion in equipment such as pump housings, chutes cyclones etc.
- Protect against cavitation

Page

28

Our Solution



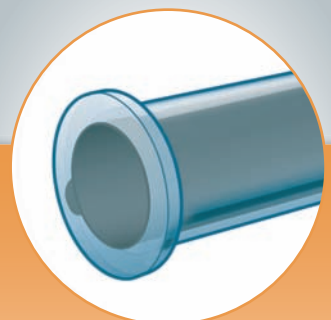
Flexible Sealing and Bonding

Our Solution

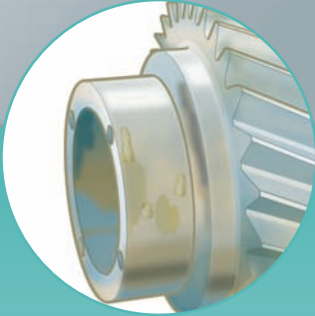


Metal Filled Compounds

Our Solution



Wearing Compounds



Cleaning Parts and Hands

- Cleaning parts prior to using adhesives/sealants
- Have to remove cured resins, adhesives/sealants, old gaskets, and other compounds without surface damage
- Cleaning electrical contacts
- Cleaning hands, removing ink, paint, resin and hard-to-shift dirt – with or without water

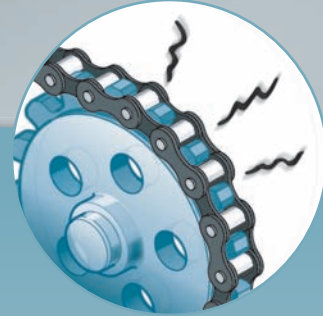
Page
30



Slow Adhesive/ Poor Adhesion

- Slow adhesive/sealant cure on oily, contaminated, inert or passivated parts
- Working in a cold environment
- Poor adhesion to the substrate

Page
32



Lubrication

- Need to combat wear and seizing caused by friction
- Resist high temperatures and tough operating conditions

See also Emergency Repair Products on page 41

Page
34

Our Solution



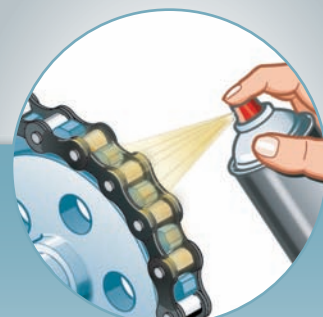
Cleaning

Our Solution



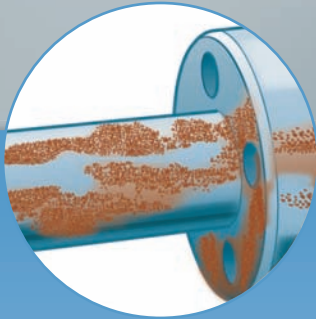
Surface Preparation

Our Solution



Lubrication

What's the Problem?



Corroding Components

- Prevent corrosion after assembly or during storage
- Guard against electro-chemical effects
- Protect welds at high temperatures

Page
40



Emergency Repair

- Fill over-sized holes, smooth rough welds, repair non-structural defects
- Make a new O ring – in situ
- Emergency plugging and sealing of burst or leaking pipes

Page
41



Dispensing Adhesives and Sealants

- Apply thick or thin products easily, cleanly, accurately and without waste
- Manual and semi-automatic options

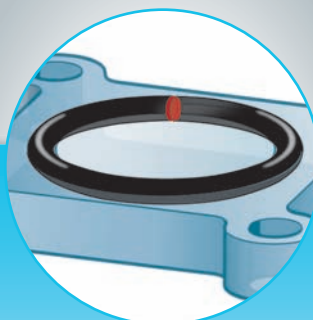
Page
42

Our Solution



**Surface Treatment and
Rust Prevention**

Our Solution



**Emergency Repair
Products**

Our Solution



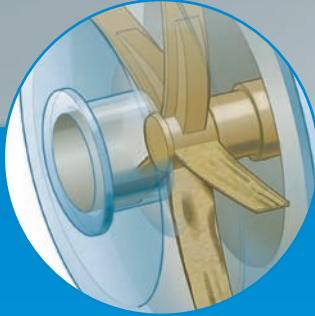
Equipment



Best Practice

- Reduce routine maintenance tasks and unnecessary repairs
- Reduce standard and extended repair time
- Improve safety by eliminating personal injury hazards
- Reduce disposal costs, clean up time and materials

Page
45



Pump & Centrifuge Gearbox & Shaft

- Prevent costly breakdowns
- Increase reliability and performance
- Make any size or shape gasket
- Prevent fretting and corrosion

Page
46



Product Approvals

In adhesives technology and the general industry products with approvals play an important role. Within Europe there is a wide variety of approvals. Some of the most important ones are:

- Potable water WRC (UK)
KTW (GER)
- Gas approval EN 751
DVGW (GER)
- NSF approval (food, water etc)

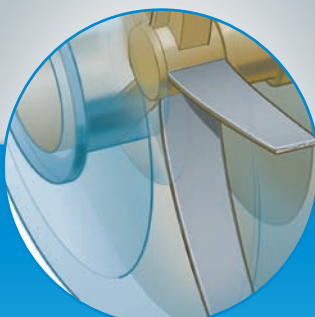
For further details on approvals please contact your local technical service.

Our Solution



**Maintenance
Workshop**

Our Solution



Repair Programmes

Index

Page
50

**Product Pack Sizes &
Ordering Information**

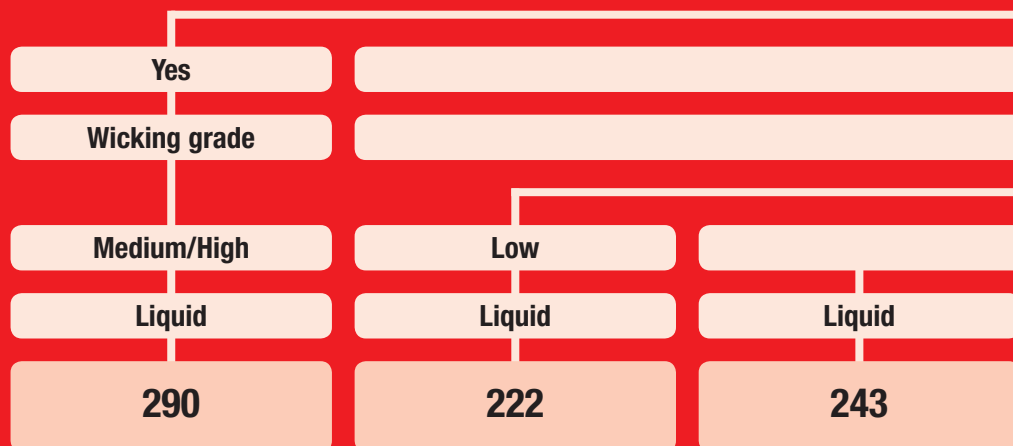
Threadlocking

- Single-component
- Clean and easy to apply
- Resists vibration
- Locks and seals all threads
- Reduces inventory costs

Handy Hints:

- Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite® 7063 (see **Cleaning** on page 30/31)
- If the adhesive is applied below 5 °C, pre-treatment with Loctite® 7240 or Loctite® 7649 is advised (see **Surface Preparation** on page 32/33)
- For plastic part(s) please refer to **Instant Bonding** on page 18/19

Are the metal parts already assembled?



Solution

Size of thread	Up to M 6	Up to M 36	Up to M 36
Functional strength after ¹	3 hrs	6 hrs	2 hrs
Breakaway torque M10 bolts	10 Nm	6 Nm	20 Nm
Operating temperature	-55 °C to +150 °C	-55 °C to +150 °C	-55 °C to +150 °C
Pack sizes	10 ml, 50 ml, 250 ml	10 ml, 50 ml, 250 ml	10 ml, 50 ml, 250 ml
Equipment ²	97001/98414	97001/98414	97001/98414

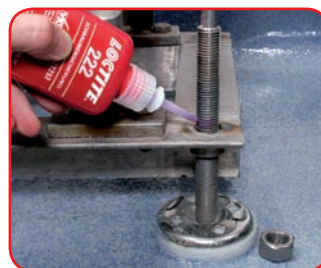
¹ Typical value at 22 °C

² For detailed information see pages 42/43



Loctite® 290

- Ideal for locking preassembled fasteners, e.g. instrumentation screws, electrical connectors and set screws



Loctite® 222

- Ideal for low-strength thread-locking of adjusting screws, countersunk head screws and set screws
- Good on low strength metals which could break during disassembly, e.g. aluminium or brass

P1 NSF Reg. No.: 123002



Loctite® 243

- Effective on all types of metal threaded fasteners
- Prevents loosening on vibrating parts, e.g. pumps, motor mounting bolts, gear boxes or presses
- Permits disassembly with hand tools for servicing
- Good on oil-contaminated parts

P1 NSF Reg. No.: 123000



No

What strength do you require?

Medium

High

Semi-solid

Liquid

Liquid

Semi-solid

248

2701
(improved 270)

278

268

Up to M 50

Up to M 20

Up to M 36

Up to M 50

6 hrs

6 hrs

3 hrs

24 hrs

19 Nm

38 Nm

30 Nm

25 Nm

-55 °C to +150 °C

-55 °C to +150 °C

-55 °C to +200 °C

-55 °C to +150 °C

9 g, 19 g stick

10 ml, 50 ml, 250 ml

50 ml, 250 ml

9 g, 19 g stick

n.a.

97001/98414

97001/98414

n.a.



Loctite® 248

- Convenient to use
- Non-dripping, no migration
- Great for difficult to access areas – overhead, underneath or on fixed parts
- Good for all types of metal threaded fasteners
- Permits disassembly with hand tools for servicing

Certified to NSF/ANSI, Standard 61

Loctite® 2701 (improved Loctite® 270)

- Suitable for all metal fasteners, including stainless steel as well as coated ones, e.g. zinc-coated
- Ideal for permanently locking studs on engine blocks and pump housings
- To be used if regular removal for maintenance is not required

Loctite® 270: P1 NSF Reg. No.: 123006

Loctite® 2701: DVGW approval (EN 751-1): NG-5146AR0617

Loctite® 278

- Oil tolerant
- Temperature resistant
- To be used if regular removal for maintenance is not required

Loctite® 268

- Convenient to use
- Non-dripping, no migration
- Great for difficult to access areas – overhead, underneath or on fixed parts
- Good for all types of metal threaded fasteners
- To be used if regular removal for maintenance is not required, e.g. suspension bolts, mounts, cap bolts and studs

Pipe and Thread Sealing

- Single-component
- Does not creep, shrink or block systems
- Replaces all tapes and hemp & paste
- Permits disassembly

Handy Hints:

- Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite® 7063 (See **Cleaning** on page 30/31)
- If the anaerobic sealant (Loctite® 542, 561, 572, 577 or 586) is applied below 5°C, pre-treatment with Loctite® 7240 or Loctite® 7649 is advised (See **Surface Preparation** on page 32/33)

Are the parts metal or plastic?

Metal, plastic or a combination of both

Do you need to make post assembly adjustments?

Yes

No

Fine

Cord

Gel

Liquid

55

5331

542

Solution

Substrate to be sealed	Metal, plastic or both	Metal, plastic or both	Metal
Maximum pipe size	Tested to 4"	3"	3/4"
Disassembly strength	Low	Low	Medium
Instant low pressure seal	Yes (full pressure)	Yes	No
Operating temperature	-50 °C to +130 °C	-50 °C to +150 °C	-55 °C to +150 °C
Pack sizes	50 m, 150 m cord	100 ml	10 ml, 50 ml, 250 ml
Equipment ¹	n.a.	n.a.	97001 / 98414

¹ For detailed information see pages 42/43



Loctite® 55

- Non curing, immediate, full pressure seal
- **WRC listed for use with potable water up to 85 °C**
- **Meets BS 6920 KTW approval for cold and hot water**
- **DVGW approval (No. DV-5142AU 0166) for gas and water**
- **Tested in accordance with EN 751-2 Class Arp and DIN 30660**
- **Certified to ANSI/NSF Standard 61**



Loctite® 5331

- Ideal for use on threaded plastic or plastic/metal fittings carrying hot or cold water e.g. industrial and agricultural plastic water pipe systems or drainage systems
- **WRC approved for use with potable water up to 85 °C**
- **Meets BS 6920 DVGW approval (No. NG-5146AR0618) for gas and water**
- **Tested in accordance with EN 751-1**
- **P1 NSF Reg. No.: 123620**



Loctite® 542

- Ideal for fine threads as used in hydraulic, pneumatic & general fittings
- **DVGW approval (EN 751-1): NG-5146AR0855**



Metal

Are the threads fine or coarse?

Medium

Coarse

Gel

Gel

Gel

Semi-solid

586

577

572

561

Metal

Metal

Metal

Metal

2"

3"

3"

3"

High

Medium

Medium

Low

No

Yes

Yes

Yes

-55 °C to +150 °C

-55 °C to +150 °C

-55 °C to +150 °C

-55 °C to +150 °C

50 ml, 250 ml

50 ml, 250 ml

50 ml, 250 ml

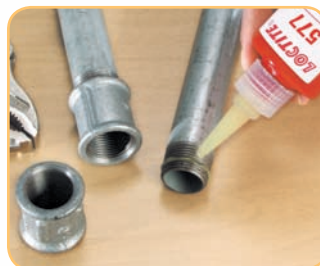
19 g stick

n.a.

97002

97002

n.a.



Loctite® 586

- Slow curing, high strength sealant
- Especially suitable for copper and brass fittings

Loctite® 577

- General purpose sealant for all coarse metal threads
- Suitable for fast applications at low temperatures, e.g. outdoor plant maintenance

P1 NSF Reg. No.: 123001

DVGW approval (EN 751-1):

NG-5146AR0621

WRC Approval (BS 6920):

0302507

Loctite® 572

- Suitable for coarse metal threads
- Ideal where slow cure is required for adjusting the alignment of fittings

Loctite® 561

- Convenient to use
- Non-dripping, no migration
- Ideal for all coarse metal threads where disassembly is required
- Applicable in various industries, e.g. chemical processing, waste water treatment and automotive

Certified to NSF/ANSI,
Standard 61

Gasketing

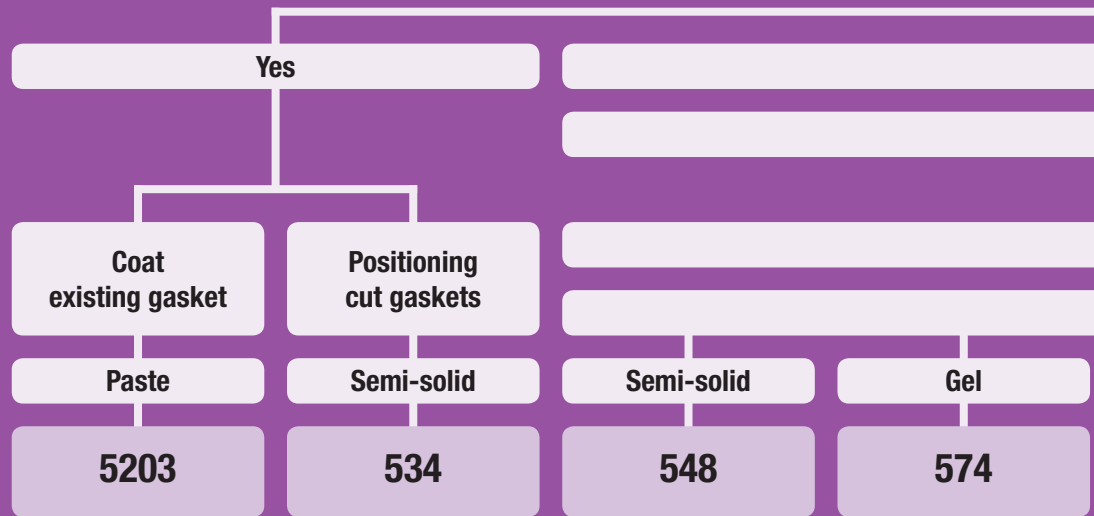
- Single-component
- Fills all voids – no fine surface finish needed
- No shimming – no need for re-torquing
- Excellent instant seal
- Resists high pressure when fully cured
- Permits disassembly

Handy Hints:

- Remove residues of old gaskets with Loctite® 7200 Gasket Remover
- Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite® 7063 (See **Cleaning** on page 30/31)
- If the anaerobic sealant is applied below 5 °C, pre-treatment with Loctite® 7240 or Loctite® 7649 is advised (See **Surface Preparation** on page 32/33)

Solution

Does the existing gasket need to be used as a shim?



Flange type	Rigid	Rigid or Flexible	Rigid	Rigid
Cure method	Anaerobic	Anaerobic	Anaerobic	Anaerobic
Oil resistance	Excellent	Good	Good	Excellent
Water/glycol resistance	Moderate	Good	Good	Excellent
Operating temperature	-55 °C to +150 °C	-55 °C to +150 °C	-55 °C to +150 °C	-55 °C to +150 °C
Pack sizes	50 ml, 300ml cartridge	9g, 19g stick	9g, 18g stick	50 ml, 160ml cartridge, 250 ml
Equipment ¹	97040, 97002	n.a.	n.a.	97002

¹ For detailed information see pages 42/43



Loctite® 5203

- Permits easy disassembly of metal/metal sealed flanges
- Ideal for coating and re-using metal gaskets to improve sealing



Loctite® 534

- Ideal for holding pre-cut gaskets in place during assembly
- Applicable to all rubber, cork, paper and metal gaskets



Loctite® 548

- Ideal for all types of rigid iron, steel and aluminium flanges, e.g. compressor and motor housings



Loctite® 574

- Ideal for use on rigid metal parts, e.g. cast iron components and pump housings



No

What gap must the sealant fill?

Up to 0.25 mm

Greater than 0.25 mm

Metals

Plastic or combined plastic/metal parts

Paste

Paste

Paste

Paste

Paste

518

510

5910

5699

5970

Rigid	Rigid	Flexible	Flexible	Flexible
Anaerobic	Anaerobic	Moisture	Moisture	Moisture
Excellent	Excellent	Excellent	Good	Excellent
Excellent	Excellent	Moderate	Excellent	Good
-55 °C to +150 °C	-55 °C to +200 °C	-60 °C to + 200 °C	-60 °C to + 200 °C	-60 °C to + 200 °C
25 ml syringe, 50 ml, 300 ml cartridge	50 ml, 250 ml, 300 ml cartridge	50 ml, 300 ml cartridge	300 ml cartridge	300 ml cartridge
97040, 97002	97040, 97002	97040, 97002	97040, 97002	97040, 97002



Loctite® 518

- Ideal for use on rigid iron, steel and aluminium flanges
- P1 NSF Reg. No.: 123758**



Loctite® 510

- Ideal for use on rigid flanges where high temperature and chemical resistance is necessary
- P1 NSF Reg. No.: 123007**



Loctite® 5910

- Replacement for cork and paper cut gaskets on flanges and stamped sheet metal covers
- Ideal for use where high vibration or flexing occurs
- Can be used with plastic and painted parts
- Tack free after 20 min.



Loctite® 5699

- Ideal for sealing all types of flanges including stamped sheet metal where water glycol resistance is required
 - Tack free after 10 min.
- P1 NSF Reg. No.: 122998**



Loctite® 5970

- Replacement for cork and paper cut gaskets on flanges and stamped sheet metal covers
- Ideal for use where high vibration or flexing occurs
- Can be used with plastic and painted parts
- Tack free after 25 min.

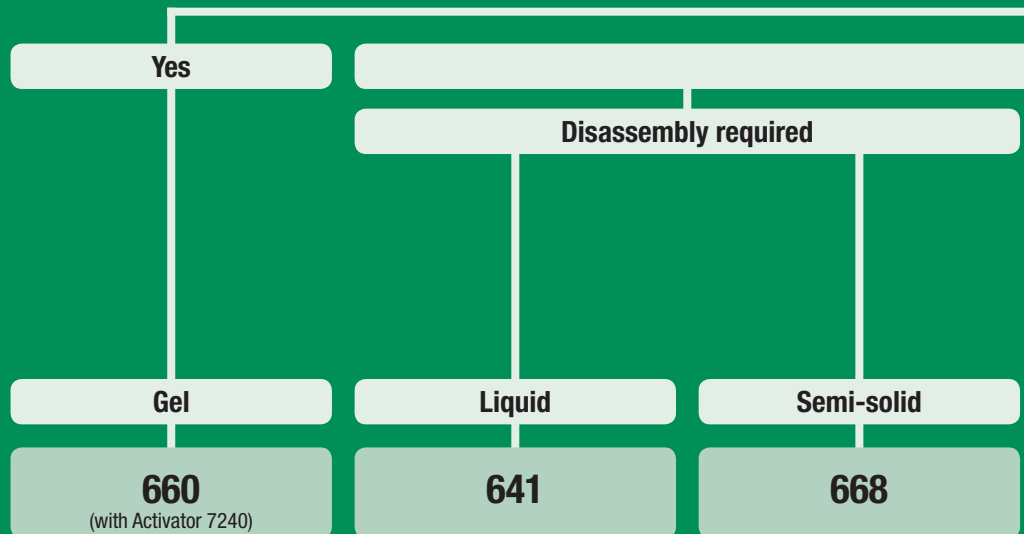
Retaining

- Single-component
- Fills all voids – 100% contact
- Prevents corrosion
- Even stress distribution across the joint
- Suitable for high loads
- Eliminates fretting

Handy Hints:

- Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite® 7063 (See **Cleaning** on page 30/31)
- If the adhesive is applied below 5 °C, pre-treatment with Loctite® 7240 or Loctite® 7649 is advised (See **Surface Preparation** on page 32/33)
- Use in conjunction with existing designs to increase their strength

Is the assembly very loose or badly worn?



Solution

	660 (with Activator 7240)	641	668
Diametrical clearance	Up to 0.5 mm	Up to 0.1 mm	Up to 0.15 mm
Strength required	High	Medium	Medium
Handling strength after ¹	20 min.	30 min.	30 min.
Operating temperature	-55 °C to +150 °C	-55 °C to +150 °C	-55 °C to +150 °C
Pack sizes	50 ml	10 ml, 50 ml, 250 ml	9 g, 19 g stick
Equipment²	n.a.	97001/98414	n.a.

¹ At room temperature on steel joints.

² For detailed information see pages 42/43

* After heat cure 180 °C for 30 min.



Loctite® 660
(use with Activator Loctite® 7240)

- Ideal for repairing worn coaxial parts without remachining
- Enables re-use of worn bearing seats, keys, splines or tapers
- Suitable for retaining shims

P1 NSF Reg. No.: 123704



Loctite® 641

- Ideal for parts that need subsequent dismantling, i.e. retention of bearings onto shafts and into housings



Loctite® 668

- Convenient to use
- Non-dripping, no migration
- Great for difficult to access areas – overhead, underneath or on fixed parts
- Ideal for all kinds of medium strength retaining applications



No

No disassembly required

What operating temperature is required?

Up to 230 °C

Up to 175 °C

Up to 150 °C

Gap ≤ 0.25 mm

Gap ≤ 0.1 mm

Liquid

Liquid

Liquid

Liquid

620

648

638

603

(improved 601)

Up to 0.2 mm

Up to 0.15 mm

Up to 0.25 mm

Up to 0.1 mm

High

High

High

High

60 min.

5 min.

8 min.

8 min.

-55 °C to +230 °C *

-55 °C to +175 °C

-55 °C to +150 °C

-55 °C to +150 °C

50 ml, 250 ml

10 ml, 50 ml, 250 ml

10 ml, 50 ml, 250 ml

10 ml, 50 ml, 250 ml

97001/98414

97001/98414

97001/98414

97001/98414



Loctite® 620

- High temperature resistance
- Ideal for retaining pins in radiator assemblies, sleeves into pump housings and bearings in auto transmissions

DVGW approval (EN 751-1):
NG-5146AR0622

Loctite® 648

- Increased temperature resistance
- Ideal for retaining of parts with a clearance or interference fit, i.e. retaining bushes, bearings, seals, fans, and liners

WRC Approval (BS 6920):
0311505

Loctite® 638

- Best resistance to dynamic, axial and radial loads
- Ideal for shafts, gears, pulleys and similar cylindrical parts

P1 NSF Reg. No.: 123010
DVGW Approval (EN 751-1):
NG-5146AR0619

WRC Approval (BS 6920):
0511518
KTW Approval for Potable Water

Loctite® 603 (improved Loctite® 601)

- Ideal for retaining close fitting cylindrical parts
- For use on cylindrical fitting parts where thorough degreasing is not possible

• Approved for use on bearings

P1 NSF Reg. No.: 123003
WRC Approval (BS 6920):
0412505

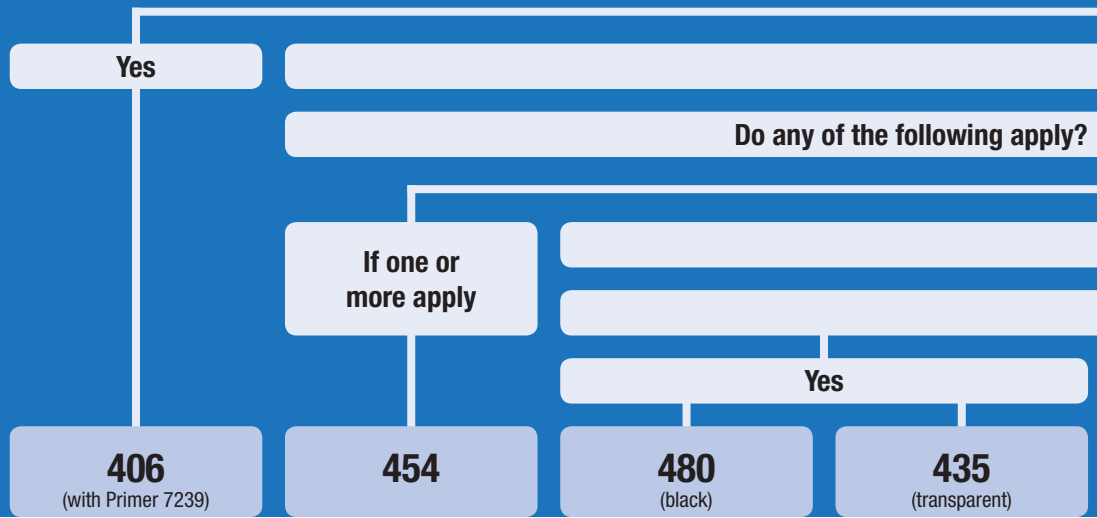
Instant Bonding

- Fixtures in seconds
- Clear bond line – good cosmetic appearance
- Versatile – dissimilar materials can be bonded
- High strength – often giving a bond stronger than the materials being bonded
- Small parts bonding

Handy Hints:

- In combination with Loctite® Instant Adhesives:
 - a) to improve adhesion of difficult to bond materials use Primer Loctite® 7239, 770, 7452, 7457
 - b) to increase cure speed use Activator Loctite® 7458, 7452 or 7457 (See **Surface Preparation** on page 32/33)
- For difficult to bond plastics (PE and PP) see also Loctite® 3030 on page 20/21

Are you bonding “difficult to bond” rubber or plastic? e.g. PE, PP, PTFE, TVP



Solution

	406 (with Primer 7239)	454	480 (black)	435 (transparent)
Fixture time	2–10 sec.	5–10 sec.	20–50 sec.	10–20 sec.
Viscosity	20 mPa·s	Gel	150 mPa·s	200 mPa·s
Operating temperature	-40 °C to +80 °C	-40 °C to +100 °C	-40 °C to +100 °C	-40 °C to +100 °C
Pack sizes	20 g, 500 g	3 g, 20 g, 300 g	20 g, 500 g	20 g, 500 g
Equipment¹	98548	98666	98548	98548

¹ For detailed information see pages 42/43/44



Loctite® 406

- Rapid bonding of rubbers, including EPDM, plastics and elastomers
- Loctite® 7239 Polyolefin Primer improves bonding



Loctite® 454

- General purpose gel
- Bonding metals, composite materials, wood, cork, foam, leather, card, paper, unglazed ceramics
- Ideal for use on vertical or overhead surfaces

P1 NSF Reg. No.: 123009



Loctite® 480

- Ideal for bonding metal to metal, to rubber or magnets
- For applications where high peel strength is required and/or shock loads are present
- Good resistance in humid and/or chemical environments



Loctite® 435

- Bonding of plastics, rubber, metals, porous and absorbent substrates and acidic surfaces
- High resistance to impact and shock loads, high peel strength
- Good resistance in humid and/or chemical environments



No

Is the gap over 0.1 mm? Do you require a non-drip/non-run product?

No

Is the bond going to be subject to shock or peel loads?

No

4850	4062	401	431	4204
3–10 sec.	2–5 sec.	3–10 sec.	5–10 sec.	20–50 sec.
400 mPa-s	2 mPa-s	90 mPa-s	1,000 mPa-s	4,000 mPa-s
-40 °C to +70 °C	-40 °C to +80 °C	-40 °C to +80 °C	-40 °C to +80 °C	-40 °C to +120 °C
20 g, 500 g	20 g, 500 g	20 g, 50 g, 500 g	20 g, 500 g	20 g, 500 g
98548	98548	98548	98548	98548



- Loctite® 4850**
- For bonding flexible materials and components
 - Also for porous and absorbent substrates and acidic surfaces



- Loctite® 4062**
- Extremely fast fixture speed
 - Ideal for very fast bonding of plastics and rubbers
 - Also for difficult to bond materials: PE, PP, PTFE, thermoplastic or silicone rubbers
 - Combine with a Loctite® Polyolefin Primer



- Loctite® 401**
- General purpose
 - Also for porous substrates such as wood, paper, leather, cork and fabric
 - For acidic surfaces such as chromated or galvanized surfaces
- P1 NSF Reg. No.: 123011**



- Loctite® 431**
- General purpose
 - Also for porous substrates such as wood, paper, leather, cork and fabric
 - For acidic surfaces such as chromated or galvanized surfaces



- Loctite® 4204**
- Excellent hot strength and heat aging capabilities
 - Good resistance in humid and/or chemical environments
 - Good resistance to impact, shock and peel loads

Structural Bonding

- Two-component
- Bonds a wide variety of materials, e.g. wood, metals, hard plastics and glass
- Provides tough and resilient bonds
- Yields high shear and peel strength

What product performance is required?

Handy Hints:

- Degrease, clean and dry surfaces prior to applying the adhesive – use Loctite® 7063 (See **Cleaning** on page 30/31)
- If the adhesive cures slowly, clamping during cure is advised

Solution

Bonding of PP, PE or a combination of both

Bonding of glass to metal

General purpose

3030

319/7649

3421 A&B

Description	Acrylic	Acrylic (no mix)	Epoxy
Working life	3 min.	–	180 min.
Fixture time	<10 min.	1 min.	240 min.
Colour	Transparent amber	Light amber	Clear amber
Viscosity	15 Pa·s	2.75 Pa·s	40 Pa·s
Operating temperature	up to 100 °C	-55 °C to +120 °C	-55 °C to +120 °C
Pack sizes	35 ml dual cartridge	0.5 ml, 5 g / 4 ml kits	50 ml, 200 ml, 400 ml dual cartridges, 1 kg can
Equipment ¹	96001, 97042, 98463	n.a.	96001, 97042 / 96003, 983437 / 983438, 983439

¹ For detailed information see pages 42/43



Loctite® 3030

- Ideal for bonding HDPE, LDPE and PP
- Good chemical resistance
- Used e.g. to assemble small appliances, signs and displays, battery cases, speaker components, liquid tanks and storage bins



Loctite® 319/7649

- Ideal for bonding metal to glass
- Good resistance in humid environment
- Good temperature resistance



Loctite® 3421 A&B

- Extended working life
- Excellent humidity resistance
- For bonding of large surfaces
- Ideal for bonding metals, plastics and most other surfaces which will be subjected to high humidity environments



Five-minute

Toughened

High temperature

330/7388
MULTI-BOND®

3430 A&B

3450 A&B

9466 A&B

9492 A&B

330/7388 MULTI-BOND®	3430 A&B	3450 A&B	9466 A&B	9492 A&B
Acrylic (no mix)	Epoxy	Epoxy	Epoxy	Epoxy
–	4 min.	4 min.	60 min.	15 min.
5 min.	12 min.	12 min.	180 min.	75 min.
Light amber	Ultra clear	Grey	Off-white	White
67.5 Pa-s	25 Pa-s	35 Pa-s	30 Pa-s	30 Pa-s
-55 °C to +100 °C	-55 °C to +100 °C	-55 °C to +100 °C	-55 °C to +120 °C	-55 °C to +180 °C
50 ml / 40 ml kit, 315 ml cartridge	24 ml twin syringe 50 ml, 200 ml, 400 ml dual cartridges	25 ml twin syringe	50 ml, 400 ml dual cartridges, 1 kg can	50 ml, 400 ml dual cartridges 1 kg can
97002	96001, 97042 / 96003, 983437 / 983438, 983439	n.a.	96001, 97042 / 983438, 983439	96001, 97042 / 983438, 983439



Loctite® 330/7388

- Toughened adhesive
- Fast curing
- Good impact resistance
- Ideal for bonding dissimilar substrates, including plastics, like PVC, phenolic and acrylic

Loctite® 330:
P1 NSF Reg. No.: 123005

Loctite® 3430 A&B

- Ultra clear
- Toughened
- Water resistant
- Ideal for bonding glass, decorative panels and displays as well as general repair applications

Loctite® 3450 A&B

- Grindable
- High strength
- Ideal for bonding and filling damaged components

Loctite® 9466 A&B

- Extended working life
- High strength
- Toughened
- Ideal for bonding a wide variety of substrates like metals, ceramic and most plastics

Loctite® 9492 A&B

- Excellent chemical resistance
- High temperature resistant
- Good hot strength
- For bonding and potting a wide variety of substrates exposed to higher temperatures e.g. heaters and electronic components

Flexible Sealing and Bonding – Silicone

- Withstands impact shock and bending
- Resists thermal expansion and contraction as well as vibration
- Has very good gap fill
- Wide temperature range
- Good weathering resistance

Do you need a fast fixture / fast cure adhesive?

Yes

Do you seal electrical items?

Solution

5610 A&B

5145

Cure method	Two parts	Moisture
Skin over time	5–7 min.	70 min.
Viscosity	Paste	Paste
Especially for	Fast cure sealing / bonding	Electrical components
Colour variations	Black	Translucent
Operating temperature	-55 °C to 180 °C	-55 °C to 180 °C
Pack sizes	400 ml	40 ml, 300 ml
Equipment ¹	983438, 983439	97040, 97002

¹ For detailed information see pages 42/43

* 5366 – Clear
5367 – White
5368 – Black



Loctite® 5610 A&B

- Fast curing
- High adhesion 2-part silicone
- Unlimited depth of cure
- Low odour
- Ideal for bonding and sealing metal, glass, ceramics, composites, most plastics and elastomers



Loctite® 5145

- Non-corrosive (neutral cure)
- Electrical grade
- Low odour
- Ideal for bonding, sealing and protecting electrical and electronic components



No

Do you require high temperature resistance?

Up to 250 °C

Up to 350 °C

5366 / 5367 / 5368

5398

5399

Moisture	Moisture	Moisture
5 min.	8–10 min.	5 min.
Paste	Liquid	Paste
Glass	Sealing / Potting	Heat source sealing
Clear / White / Black *	Red	Red
-55 °C to 250 °C	-55 °C to 350 °C	-55 °C to 350 °C
310 ml	310 ml	310 ml
97040, 97002	97040, 97002	97040, 97002



Loctite® 5366 / 5367 / 5368

- Ideal for bonding, sealing and protecting components subjected to vibration or relative movement
- Suitable for glass, metal, ceramics, composites, and most plastics



Loctite® 5398

- High temperature resistant
- Ideal for sealing heat exchangers, steam circuits, water heaters, turbines and pumps
- For protection and insulation of electrical boxes



Loctite® 5399

- High temperature resistant
- Ideal for bonding and sealing glass, metal, and ceramics, where temperature can reach 350 °C, e.g. sealing of stove flues/ chimneys, industrial ovens and electro-appliances

Flexible Sealing and Bonding – MS Polymer

- Withstands impact shock and bending
- Resists thermal expansion as well as vibration
- Has very good gap fill
- Resistant to weathering and UV radiation
- Freshly cured MS can be over-painted
- Free of isocyanate and silicone

What main function are you looking for?

Elastic Sealing

General purpose

High / medium resistance

Self spreading

Solution

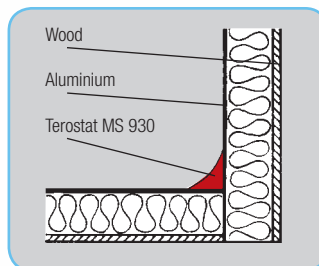
Terostat MS 930

Terostat 9120

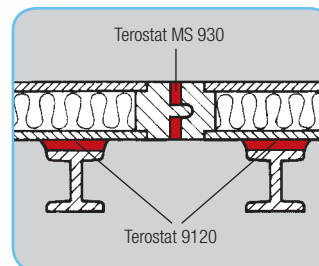
Terostat MS 931

Operating temperature	-50 °C to 80 °C	-40 °C to 100 °C	-40 °C to 100 °C
Cure method	Moisture	Moisture	Moisture
Skin over time	25 to 40 min.	10 to 15 min.	10 to 20 min.
Viscosity	Paste	Paste	Liquid
Characteristic	General purpose	High / medium resistance	Self spreading
Colour	White, Grey, Black	White, Grey, Black	White
Pack sizes	310 ml, 570 ml	310 ml, 570 ml	310 ml
Equipment ¹	97040 / 97002	97040 / 97002	97040 / 97002

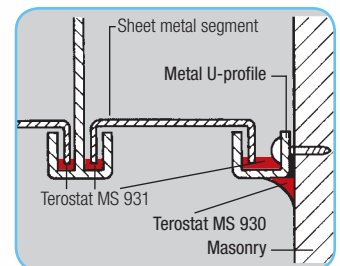
¹ For detailed information see pages 42/43



Sealing of sandwich elements in cold stores



Sealing/bonding of side panels to load-bearing structures



Sealing of clean-room ceilings

Terostat MS 930

- Can be applied as bead or even sprayed using suitable equipment
- Vibration absorbing properties
- High elongation
- Spray-on seam sealing for large surface applications

Terostat 9120

- Elastic adhesive/ sealant
- High sag resistance
- High / medium resistance
- Easy smoothing
- High position tack
- Sealing and bonding of parts in railway carriage and container manufacture

Terostat MS 931

- Apply by pouring and extruding
- Self spreading
- Soft elastic after full curing
- Fast curing
- Sprayable for large surface coating
- Fluid seal in frame profiles of modular clean room ceilings



Elastic bonding

General purpose

Rapid RTV curing

High modulus

Two component rapid cure

Terostat MS 939

Terostat MS 937

Terostat 9220

Terostat MS 9399

-40 °C to 100 °C

-40 °C to 100 °C

-40 °C to 100 °C

-40 °C to 100 °C

Moisture

Moisture

Moisture

Two parts

10 min.

10 to 15 min.

5 to 10 min.

Open time: 30 min.

Paste

Paste

Paste

Paste

General purpose

Rapid curing

High modulus

Curing without humidity

White, Off-White, Grey, Black

White, Grey, Black

Black

White, Black

310 ml

310 ml

310 ml

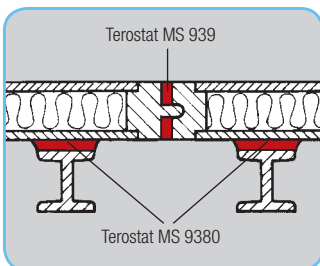
2x 200 ml (A+B)

97040 / 97002

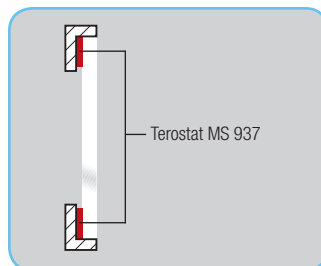
97040 / 97002

97040 / 97002

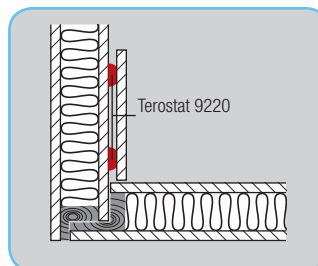
983439



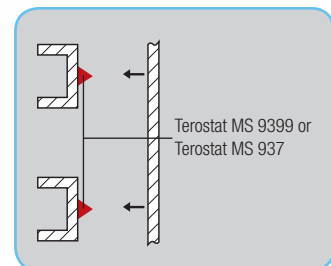
Bonding/sealing of side panels to/on load-bearing structures



Bonding of basement windows into metal frames



Bonding of anti-ram rails in container manufacture and in vehicle superstructures



Bonding of side panels, roofing or floor elements to load-bearing structures

Terostat MS 939

- High position tack
- Non sagging
- High elongation
- Elastic bonding of metals and plastics

Terostat MS 937

- Fast curing
- Non sagging
- Elastic bonding of metals and plastics

Terostat 9220

- High modulus
- Fast skin formation
- Non sagging
- High position tack
- Elastic bonding of metals or painted substrates

Terostat MS 9399

- Full depth cure in 24 hours
- High viscosity
- High position tack
- Elastic bonding in the construction of containers, caravans etc.

Metal-filled Compounds

- High compressive strength
- Choice of mild steel or aluminium fillers
- Can be machined, drilled or tapped after cure
- Excellent resistance to aggressive chemicals
- Grey in colour when cured

Repair or rebuild metal damaged parts?

Steel

Putty

Pourable

Fast cure

Solution

3471 A&B
(Metal Set S1)

3472 A&B
(Metal Set S2)

3473 A&B
(Metal Set S3)

Description	Epoxy	Epoxy	Epoxy
Mix ratio by volume / weight:	1:1	1:1	1:1
Working life	45 min.	45 min.	6 min.
Fixture time	180 min.	180 min.	15 min.
Viscosity	Putty	Liquid	Putty
Shear strength (GBMS)	20 N/mm ²	25 N/mm ²	20 N/mm ²
Compressive strength	70 N/mm ²	70 N/mm ²	60 N/mm ²
Operating temperature	-20 °C to 120 °C	-20 °C to 120 °C	-20 °C to 120 °C
Pack sizes	500 g tub kit	500 g tub kit	500 g tub kit

Loctite® 3463 Steel filled kneadable stick

- Working time 3 minutes
- Sets in 10 minutes

For further information See page 41



Loctite® Hysol® 3471 A&B

- Steel putty
- Low shrinkage on cure (0.1 %)
- For repairing and rebuilding worn metal parts
- Ideal for repairing pipes and castings as well as cracks in housings and machine parts



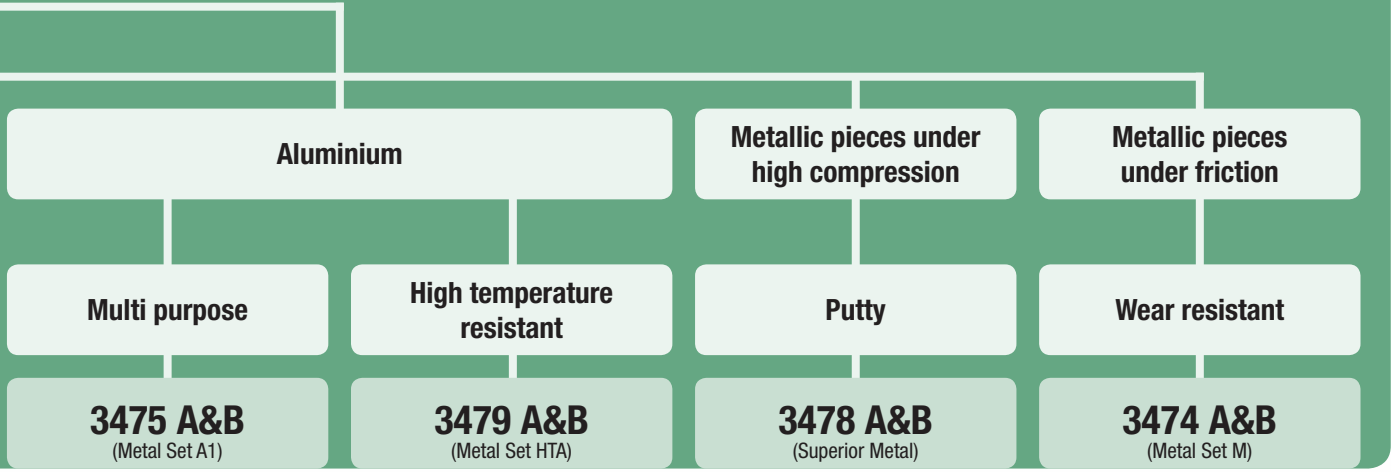
Loctite® Hysol® 3472 A&B

- Steel liquid
- Low shrinkage on cure (0.1 %)
- Self-levelling
- For repairing and rebuilding worn metal parts
- Ideal for making moulds, models, tools and fixtures



Loctite® Hysol® 3473 A&B

- Steel putty
- Fast curing
- For emergency repairing and rebuilding worn metal parts to minimise downtime
- Ideal for repairing pipes and castings as well as cracks in housings and machine parts



Aluminium	High temperature resistant	Metallic pieces under high compression	Metallic pieces under friction
Multi purpose	High temperature resistant	Putty	Wear resistant
3475 A&B (Metal Set A1)	3479 A&B (Metal Set HTA)	3478 A&B (Superior Metal)	3474 A&B (Metal Set M)
Epoxy	Epoxy	Epoxy	Epoxy
1:1	1:1	4:1	1:1
45 min.	40 min.	20 min.	45 min.
180 min.	150 min.	120 min.	180 min.
Putty	Putty	Putty	Putty
20 N/mm ²	20 N/mm ²	17 N/mm ²	20 N/mm ²
70 N/mm ²	90 N/mm ²	125 N/mm ²	70 N/mm ²
-20 °C to 120 °C	-20 °C to 190 °C	-30 °C to 120 °C	-20 °C to 120 °C
500 g tub kit	500 g tub kit	453 g tub kit	500 g tub kit



Loctite® Hysol® 3475 A&B

- Aluminium putty
- Low shrinkage on cure (0.1 %)
- For repairing and rebuilding worn metal parts
- Ideal for repairing pipes and castings as well as cracks in housings and machine parts



Loctite® Hysol® 3479 A&B

- Aluminium putty
- Low shrinkage on cure (0.2 %)
- For repairing and rebuilding worn metal parts in high operating temperature applications
- Ideal for repairing pipes and castings as well as cracks in housings and machine parts



Loctite® Hysol® 3478 A&B

- Steel putty
- Low shrinkage on cure (0.1 %)
- High compression strength
- Good hot strength
- Ideal for renewing surfaces subjected to compression, thrust, impact and harsh environments



Loctite® Hysol® 3474 A&B

- Steel putty
- Self-lubricating
- High wear resistant
- Forms a self-lubricating surface to reduce sliding wear on moving parts
- Ideal for repairing metallic surfaces under friction

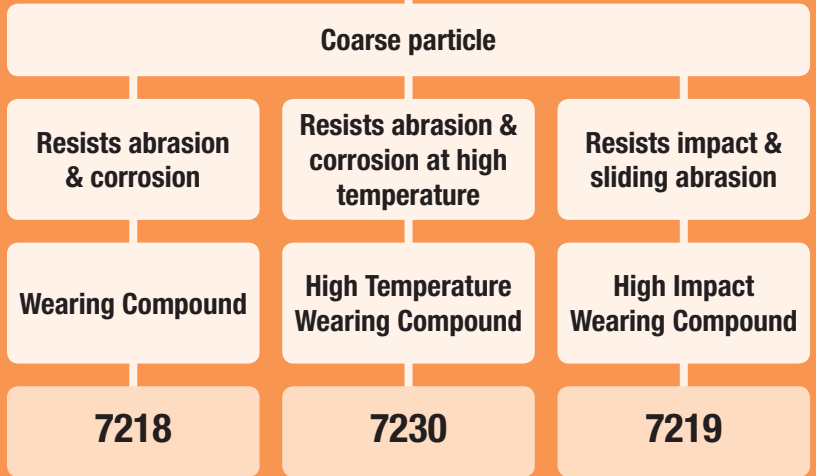
Wearing Compounds

Protect against particle abrasion or chemical attack?

Handy Hints:

- Use Loctite® Nordbak® 7227 or 7228 as primer / primary coat to ensure best adhesion of Loctite® Nordbak® 7218, 7230, 7219, 7226, 7229 and 7222

Solution



Colour	Grey	Grey	Grey
Temperature range	-30 °C to +120 °C	-30 °C to +230 °C	-30 °C to +120 °C
Mix ratio by volume	2:1	4:1	2:1
Working time	30 min.	30 min.	30 min.
Cure time	7 hrs	7+2 hrs at 150 °C	6 hrs
Recommended layer thickness	min. 6mm	min. 6 mm	min. 6 mm
Pack sizes	1 kg/10 kg Kit	10 kg kit	1 kg/10 kg Kit

Badly worn surfaces are rebuilt using **Loctite® Nordbak® 7222 Wear Resistant Putty** or **Loctite® Nordbak® 7232 High Temperature Wear Resistant Putty**, prior to applying protective Loctite® Nordbak® composite coatings.



Loctite® Nordbak® 7218

- Trowelable ceramic filled epoxy
- Ideal for protecting, rebuilding and repairing high wear areas of processing equipment
- Suitable for overhead applications and irregular surfaces



Loctite® Nordbak® 7230

- Ceramic filled epoxy
- Ideal for protecting, rebuilding and repairing high wear areas of processing equipment
- Requires post curing for ultimate performance and temperature resistance



Loctite® Nordbak® 7219

- Rubber modified ceramic filled epoxy
- Ideal for areas exposed to abrasion and impact
- Suitable for overhead applications and irregular surfaces



Fine particle

Chemical attack

Resists fine particle abrasion

Resists fine particle abrasion at high temperature

Brushable protective coating

Brushable protective coating at high temperature

Chemical resistant brushable coating

Pneu-Wear

High Temperature Pneu-Wear

Brushable Ceramic

High Temperature Brushable Ceramic

Chemical Resistant Coating

7226

7229

7227 / 7228

7234

7221

Grey	Grey	Grey / White	Grey	Grey
-30 °C to +120 °C	-30 °C to +230 °C	-30 °C to +95 °C	-30 °C to +205 °C	-30 °C to +65 °C
4:1	4:1	2.75:1 / 2.8:1	2.6:1	2.3:1
30 min.	30 min.	30 min. / 15 min.	30 min.	20 min.
6 hrs	6+2 hrs at 150 °C	6 hrs / 5 hrs	8+3 hrs at 150 °C	16 hrs
min. 6 mm	min. 6 mm	min. 0.5 mm	min. 0.5 mm	min. 0.5 mm
1 kg/10 kg Kit	10 kg kit	1 kg kit	1 kg kit	5.4 kg kit



Loctite® Nordbak® 7226

- Small ceramics beads and silicon carbide filled epoxy
- Ideal for protecting processing equipment from fine particle abrasion
- Suitable for providing abrasion resistance on overhead and vertical surfaces

Loctite® Nordbak® 7229

- Trowelable small ceramics bead filled epoxy
- Ideal for protecting equipment from fine particle abrasion in dry, high temperature applications
- Requires post curing for ultimate performance and temperature resistance

Loctite® Nordbak® 7227/7228

- Ultra-smooth ceramic reinforced epoxy
- Provides a high gloss, low friction coating to protect against turbulence and abrasion
- Seals and protects equipment from corrosion and wear

Loctite® Nordbak® 7234

- Brushable two-part epoxy
- Ideal for protecting against turbulence and abrasion under extreme heat
- Requires post curing for ultimate performance and temperature resistance

Loctite® Nordbak® 7221

- Protects equipment against extreme chemical attack and corrosion
- Forms a smooth, glossy, low-friction finish
- Ideal for protecting against turbulence and cavitation
- Can be applied by brush or pressure sprayed

Cleaning

- Cleans components prior to using Loctite® adhesives/ sealants
- Cleans and degreases worktops and parts
- Removes cured sealant residue
- The hand cleaners are effective, gentle and biodegradable

Do you need a hand cleaner or a parts/surface cleaner?

General cleaner

Hand cleaner

General purpose

For ink, paint or resin on hands

Solution

7840

7850

7855

Description	Cleaner & degreaser	Hand cleaner	Hand cleaner
Pack sizes	750 ml trigger spray, 5 l can, 20 l drum	400 ml bottle, 3 l pump dispenser	400 ml bottle, 1.75 l pump dispenser



Loctite® 7840
Cleaner & degreaser

- Biodegradable
- Solvent free, non-toxic, non-flammable
- Diluted with water
- Removes grease, oil, cutting fluids and workshop grime



Loctite® 7850
Hand cleaner

- Natural extract base
- Free from mineral oils
- Biodegradable
- Contains premium skin conditioners
- Works with or without water
- Removes ground-in dirt, grease, grime, and oil



Loctite® 7855
Hand cleaner

- Biodegradable
- Non toxic
- Removes paint, resin and adhesives



Parts, machines and surface cleaners

General purpose	Plastic parts	Gasket remover	Electrical contact
7063	7070	7200	7039
Cleaner & degreaser	Cleaner & degreaser	Gasket remover	Contact cleaner spray
400 ml aerosol, pump, 101 can	400 ml aerosol	400 ml aerosol	400 ml aerosol



Loctite® 7063
Cleaner & degreaser

- Solvent based general parts cleaner
- Leaves no residue
- Ideal for use prior to adhesive bonding and sealing applications
- Removes most greases, oils, lubrication fluids, metal cuttings and fines from all surfaces



Loctite® 7070
Cleaner & degreaser

- Solvent based general parts cleaner
- Usable as spray or in immersion cleaning process at room temperature
- Removes special heavy oils
- For most plastic parts without the risk of stress cracks



Loctite® 7200
Gasket remover

- Removes cured gasket sealants and traditional gaskets in 10 to 15 minutes
- Minimal scraping
- Usable on most types of surfaces



Loctite® 7039
Contact cleaner spray

- For cleaning electrical contacts exposed to moisture or other contaminations
- Does not affect insulating varnishes
- Typical application: Cleaning of electrical contacts, relays, switchgear etc.

Surface Preparation

- Activators accelerate cure even at low temperatures
- Primers improve adhesion to non-wetting surfaces

What is your application?

Instant Bonding

What do you want to do?

Improve adhesion

General purpose

Solution

7239

770

7458

Description	Primer	Primer	Activator
Colour	Colourless	Colourless	Colourless
Pack Size	4 ml	10 g, 300 g	500 ml



Loctite® 7239 – Plastic Primer

- General purpose
- Suitable for use on all industrial plastics
- Improves the adhesion of Instant Adhesives on polyolefins and other low surface energy plastics



Loctite® 770 – Polyolefin Primer

- Only for difficult to bond plastics
- Provides (best) adhesion of Instant Adhesives to polyolefins and other low surface energy plastics



Loctite® 7458

- General purpose
- For all substrates
- Good on part life – can be pre- or post-applied
- Low odour
- Minimizes post cure white discolouring
- Provides good aesthetic appearance of the bondline



Threadlocking, Pipe and Thread Sealing, Gasketing, Retaining

Accelerate

What activator is preferred?

Best cosmetic appearance

Ideal for stress cracking sensitive plastics

Solvent-based

Solvent-free

7452

7457

7649

7240

Activator

Activator

Activator

Activator

Transparent, light-amber

Colourless

Transparent, green

Blue-green

500 ml, 18 ml

150 ml, 18 ml

150 ml, 500 ml

90 ml



Loctite® 7452

- Cures excess adhesive
- Provides excellent cosmetic appearance avoiding white discolouring of Instant Adhesive
- Not recommended on stress cracking sensitive plastics

Loctite® 7457

- Good on part life – can be pre- or post-applied
- Recommended for use on stress cracking sensitive plastics

Loctite® 7649

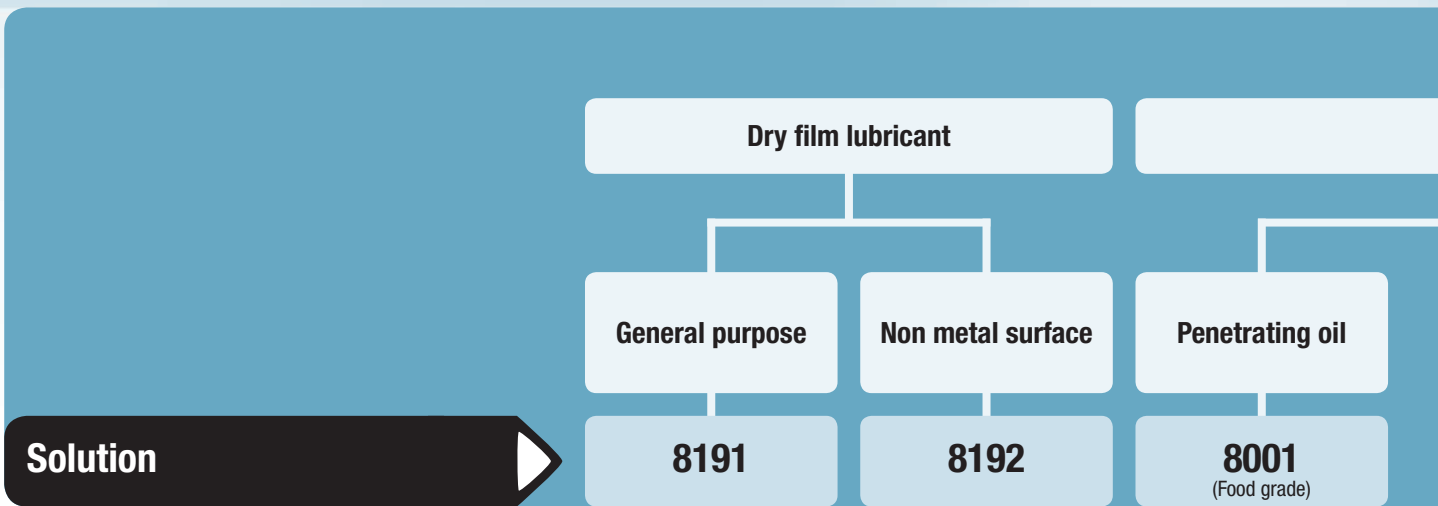
- Increases cure speed of anaerobic products
- Especially recommended for applications with passive metals, such as stainless steel and plated or passivated surfaces, or inactive surfaces
- For large bond gaps

Loctite® 7240

- Increases cure speed on passive and inactive surfaces
- Ensures product cure with large bond gaps
- Recommended when cure temperature is low (<5 °C)

Lubrication – Dry Film and Oils

- Prevents seizing and galling during assembly and operation
- Inhibits corrosion and oxidation in chemically and thermally aggressive environments
- Penetrates and frees corroded assemblies
- Prevents wear and cold welding during assembly and operation



Solution

	8191	8192	8001 (Food grade)
Appearance	Black	White	Colourless
Base	MoS ₂	PTFE	Mineral oil
Viscosity	11 (Cup 4)	11 (Cup 4)	4 mm ² /s
Temperature range	-40 °C to +340 °C	-180 °C to +260 °C	-20 °C to +120 °C
Load test 4 ball N (Weld load)	n.a.	n.a.	1,200
Pack sizes	400 ml aerosol	400 ml aerosol	400 ml aerosol



Loctite® 8191
MoS₂ Anti-friction coating – aerosol

- Quick drying
- Surface protection against corrosion
- Enhances the performance of oils and greases



Loctite® 8192
PTFE coating

- For non-metal and metal surfaces
- Creates sliding surface for free movement
- Prevents dust/dirt accumulation
- Protection against corrosion
- For conveyor belts, slideways and cams

H1 NSF Reg. No.: 122999
H2 NSF Reg. No.: 122980



Loctite® 8001
Penetrating mineral oil spray

- Multi-purpose penetrating oil for micro mechanisms
- Penetrates inaccessible mechanisms
- Lubricates valve seats, collars, chains, hinges and cutting knives

H1 NSF Reg. No.: 122999



Oil

Chain lubricant

Freeing parts

Silicone oil

Cutting oil

General purpose

8011

8040

8021

8030/8031

8201

Yellow	Amber	Colourless liquid	Dark yellow	Light yellow liquid
Synthetic oil	Mineral oil	Silicone oil	Mineral oil	Mineral oil
11.5 mm ² /s	8 mm ² /s	583 mPa·s	170 mm ² /s	17.5 mm ² /s
-20 °C to +250 °C	n.a.	-30 °C to +150 °C	-20 °C to +160 °C	-20 °C to +120 °C
2,450	n.a.	n.a.	8,000	n.a.
400 ml aerosol	400 ml aerosol	400 ml aerosol	8030: 250 ml bottle, 8031: 400 ml aerosol	400 ml aerosol



Loctite® 8011 High temperature chain oil spray

- Oxidation resistance prolongs lubricant service life
- Lubricates open mechanisms, conveyors and chains at elevated temperatures up to 250 °C

H2 NSF Reg. No.: 122978

Loctite® 8040 Freeze & Release

- Releases rusted, corroded and seized components by the shock-freezing effect
- Wicks directly into the rust by capillary action
- Released parts remain lubricated and protected from corrosion

Loctite® 8021 Silicone oil

- Lubricates metal and non-metal surfaces
- Suitable as release agent

Loctite® 8030 bottle Loctite® 8031 aerosol Cutting oil

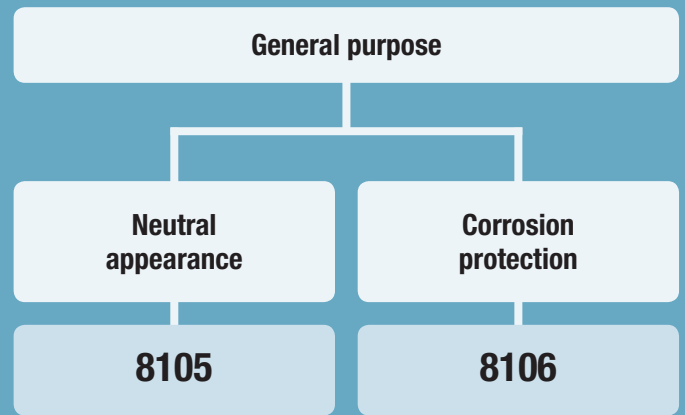
- Protects cutting tools in operation
- Improves surface finish
- Increases tool life
- For drilling, sawing or tapping steel, stainless steel and most non-ferrous metals

Loctite® 8201 Five way spray

- Frees assemblies
- For light lubrication of metals
- Cleans parts
- Displaces moisture
- Prevents corrosion

Lubrication – Greases

- Prevents seizing and galling during assembly and operation
- Inhibits corrosion and oxidation in chemically and thermally aggressive environments
- Withstands high temperatures and extreme pressures



Solution

Appearance	Colourless	Light brown
Base oil and additives	Mineral	Mineral
Thickener	Inorganic gel	Lithium soap
Drop point	None	> 230 °C
N.L.G.I. class	2	2
Temperature range	-20 °C to +150 °C	-30 °C to +160 °C
Load test 4 ball N (Weld load)	1,300	2,400
Pack sizes	400 ml cartridge, 1 l can	400 ml cartridge, 1 l can

Special equipment available on request.



Loctite® 8105 Mineral grease

- Lubricates moving parts
- Colourless
- Odourless
- Ideal for bearings, cams, valves and conveyors

H1 NSF Reg. No.: 122979



Loctite® 8106 Multi-purpose grease

- Lubricates moving parts
- Provides corrosion protection
- For rolling, plain bearings and slideways



High performance

Special purpose

High temperature
resistance

Heavy load
applications

Plastic part
applications

Chains, gears

8102

8103

8104

8101

Light brown

Black smooth paste

Colourless smooth paste

Amber high tack paste

Mineral E.P.

Mineral oil, MoS₂

Silicone

Mineral oil, E.P.

Lithium soap complex

Lithium soap

Silica gel

Lithium soap

> 250 °C

> 250 °C

n.a.

> 250 °C

2

2

2/3

2

-30 °C to +200 °C

-30 °C to +160 °C

-50 °C to +200 °C

-30 °C to +170 °C

3,300

3,600

n.a.

3,900

400 g cartridge,
1 l can

400 g cartridge,
1 l can

75 ml tube,
1 l can

400 ml aerosol



Loctite® 8102 High temperature grease

- Prevents wear and corrosion
- Suitable in humid environmental conditions
- Withstands heavy loads at medium and high speeds
- Lubricates rolling, plain bearings, open gears and slideways

Loctite® 8103 MoS₂ grease

- For moving parts at all speeds
- Withstands vibration and heavy loads
- For highly stressed joints, plain and roller bearings, socket joints and slide ways

Loctite® 8104 Silicone grease

- Valve and packing grease
- Wide temperature range
- Lubricates most plastic and elastomeric components

H1 NSF Reg. No.: 122981

Loctite® 8101 Chain lubricant

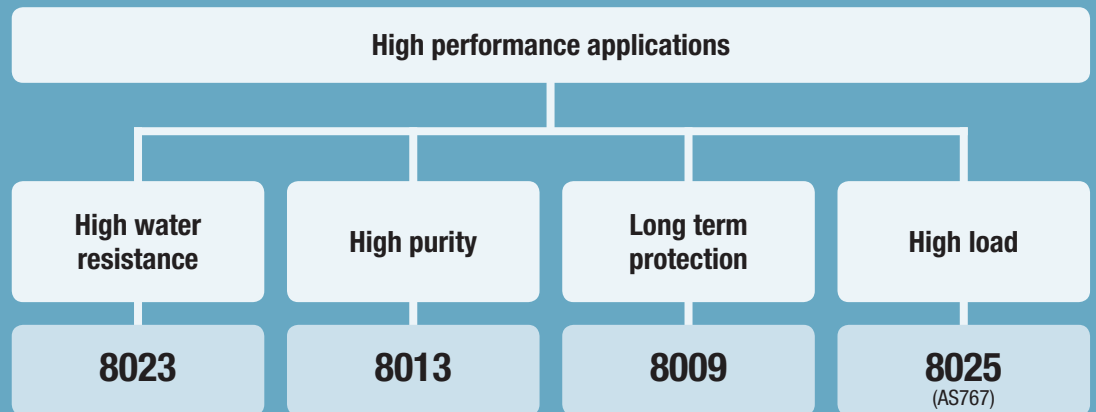
- Adhesive grease for open mechanical systems with anti-fling properties
- Protects against water ingress
- Excellent wear and high pressure resistance
- Lubricates chains, open gears and worm screws

Lubrication – Anti-Seize

- Prevents seizing and galling during assembly and operation
- Inhibits corrosion and oxidation in chemically and thermally aggressive environments
- Prevents wear and cold welding during assembly and operation

Handy Hints:

- Loctite® 8060 and Loctite® 8065 now offer the same trusted performance in a semi-solid stick formula, but clean, fast and easy to apply.



Solution

Colour	Black	Dark grey	Black	Silver
Solid lubricating agent	Graphite, calcium, boron nitride & rust inhibitors	Graphite & calcium oxide	Graphite & calcium fluoride	Aluminium, Nickel, EP
N.L.G.I. class	–	–	–	1
Temperature range	-30 °C to +1,315 °C	-30 °C to +1,315 °C	-30 °C to +1,315 °C	-30 °C to +1,200 °C
Pack sizes	454 g brush top	454 g brush top	454 g brush top, 3.6 kg can	400 ml aerosol, 1 l bottle

Special equipment available on request.



Loctite® 8023 brush top

- Anti-Seize with ultimate wash out resistance
- For stainless steel

Approvals:
American Bureau of Shipping certified;
MIL-PRF-907E



Loctite® 8013 brush top

- High purity metal free Anti-Seize
- Excellent chemical resistance
- For stainless steel
- Ideal for use in the nuclear industry

PMUC; D50YP12 General Electric; TIL 1117-3R1



Loctite® 8009 brush top

- Metal free Anti-Seize
- Provides long term lubrication
- For all metals including stainless steel and titanium

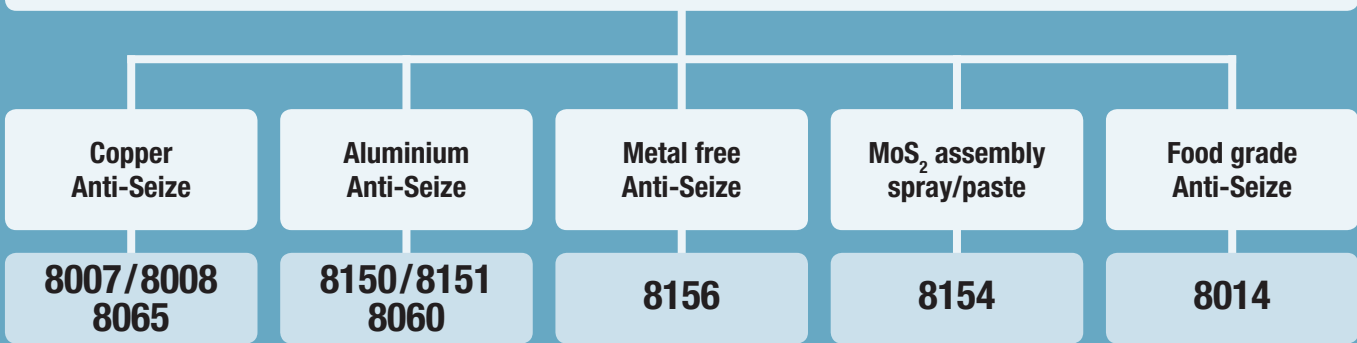


Loctite® 8025 (AS 767)

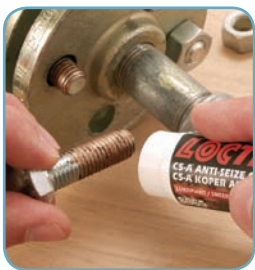
- Nickel based Anti-Seize
- For easy disassembly
- Typical applications: screws, bolts, grooves



Standard applications



Copper	Grey	White	Black	White
Copper & graphite	8150/8151 Aluminium, graphite, EP 8060 Aluminium, graphite	Ceramic	MoS ₂	White oil and extreme pressure (EP) additives
-	1	2	1	-
-30 °C to +980 °C	-30 °C to +900 °C	-30 °C to +900 °C	-30 °C to +450 °C	-30 °C to +400 °C
400 ml aerosol, 113 g, 454 g brush top, 3.6 kg can, 20 g stick	400 ml aerosol, 500 g, 1 kg, 20 g stick	500 g can	400 ml aerosol	907 g can



CS-A®
Loctite® 8007 aerosol
Loctite® 8008 brush top
Loctite® 8065 stick

- Copper based Anti-Seize
- Typical applications: screws, nuts, pipes, exhaust bolts, brake caliper bolts



Loctite® 8150 can
Loctite® 8151 aerosol
Loctite® 8060 stick

- Aluminium based Anti-Seize
- Protects threaded connections
- Prevents seizing and corrosion
- Typical applications: screws, nuts, pipes, heat exchangers and fittings of oil and gas burners



Loctite® 8156 can

- Metal free Anti-Seize
- Prevents seizing and jamming
- Withstands high loads at low speeds and high temperatures
- Typical applications: exhaust pipes of combustion engines and fittings of oil and gas burners



Loctite® 8154 aerosol

- Assembly paste with MoS₂
- Facilitates assembly and disassembly of cylindrical parts
- Withstands heavy operation conditions
- Lubricates and seals cylindrical parts, bearings, gearwheels at low speed

H2 NSF Reg. No.: 122982



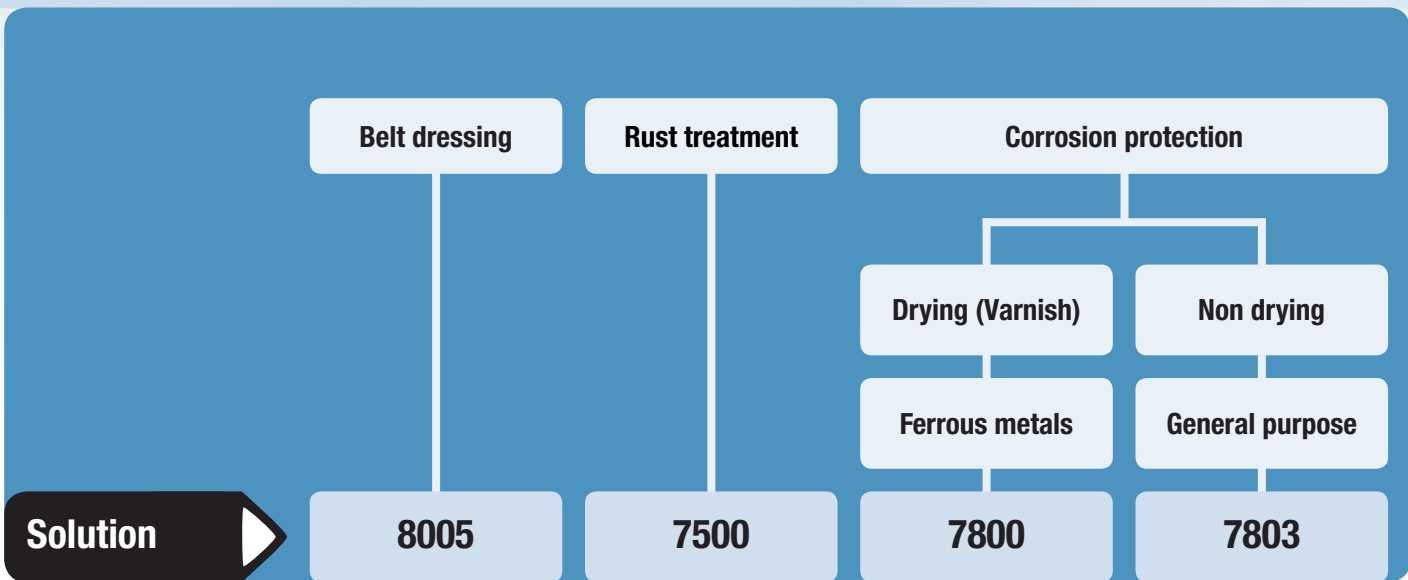
Loctite® 8014 can

- Food grade metal free Anti-Seize
- For stainless steel components
- Suitable for wet environments

H1 NSF Reg. Nr.: 123004

Surface Treatment and Rust Prevention

- Stabilizes existing rust
- Guards against corrosion
- Prevents electro-chemical corrosion
- Increases belt friction



Description	Liquid spray	Rust treatment	Zinc spray	Metal protection coating
Colour	Clear yellow	Matt black	Grey	White
Temperature range	n.a.	n.a.	-50 °C to +550 °C	-30 °C to +60 °C
Pack sizes	400 ml aerosol	1 l can	400 ml aerosol	400 ml aerosol



**Loctite® 8005
Belt dressing**

- Prevents slippage
- Increases friction for all types of belts
- Extends belt life



**Loctite® 7500
Rust treatment**

- Converts existing rust into a stable base
- Protects surfaces from corrosion
- Cured product acts as a primer ready for painting
- For metal pipes, valves, fittings, storage tanks, fences, guard rails, conveyors, construction and agricultural equipment



**Loctite® 7800
Zinc spray**

- Excellent cathodic corrosion protection on ferrous metals
- Restores protection to galvanized parts
- Typical applications: Touching-up of metal parts after welding, long term protection of metal assemblies



**Loctite® 7803
Metal protection coating spray**

- Non drying, tack free coating
- Provides long term corrosion protection
- For iron, steel, sheet steel, pipes, moulds, machines and installations that have to be stored outdoors

Emergency Repair Products

	O-Ring Replacement	Holes filler, repair of non-structural defects	Leak detector	Leak sealer (pipes)
Solution	O-Ring kit	3463	7100	5070
Description	<ul style="list-style-type: none"> Eliminates the need for an inventory of different sized O-rings 	<ul style="list-style-type: none"> Steel filled kneadable stick Ideal for emergency sealing of leaking tanks and pipes 	<ul style="list-style-type: none"> Facilitates the detection of both micro-leaks and larger leaks in gas handling systems 	<ul style="list-style-type: none"> Easy-to-use repair kit Use for temporary/medium term repair of leaking pipes and reinforcement of weak areas



Loctite® O-Ring kit

- Saves the need for complete disassembly
- Joints resist water/oil and are as strong as the rubber itself
- Kit contains: 7 standard diameter sizes of nitrile cord, splicing jig, safety knife and Loctite® 406 instant adhesive



Loctite® 3463 Metal Magic Steel™ stick

- Working time 3 minutes – sets in 10 minutes
- Adheres to damp surfaces and cures under water
- Chemical and corrosion resistant
- Can be drilled, filed and painted
- Smooths welds, repairs small cracks in castings and fills oversized bolt holes
- Available pack sizes: 50g and 114g



Loctite® 7100 Leak Detector

- Produces bubbles at areas where a leak is present
- Non toxic
- Non flammable
- For use with all gases and gas mixtures except pure oxygen. Use also for iron, copper and plastic piping



Loctite® 5070 Pipe Repair kit

- Repairs pipe leaks in 1 hour
- No tools required
- Maximum temperature 120 °C
- Kit contains: Protective gloves, Loctite® 3463 Metal Magic Steel™ Stick, and urethane-impregnated GRP tape

Equipment

- Ergonomically designed for manual application of Loctite® adhesives and fluids directly from their original package
- For the simple, easy, clean, hand held dispensing of fluids
- Reduces waste and operator contact
- Excellent compatibility with Loctite® products



Loctite® 97001 / 98414 Peristaltic Hand Pump

- Portable bottle-top applicator
- Threads directly on any 50 ml (98414) or 250 ml (97001) bottle of anaerobic product
- Dispenses from 0.01 to 0.04 ml



Loctite® 97040 300ml Cartridge Manual Dispenser

- Hand held, manually-operated dispenser for all standard 300 ml cartridges
- Rapid-loading system to make cartridge changes cleanly and easily



Loctite® 97002 Pneumatic Cartridge Dispenser

- Hand held unit for 300 ml cartridges and 250 ml squeeze tubes
- Integrated pressure regulator
- Quick pressure relief, in order to minimize run-on effect



Loctite® 96001 / 97042 50 ml Dual Cartridge Applicator

- Hand-held dispenser for 50 ml dual cartridges (item 96001 manual/ item 97042 pneumatic)
- Convenient & cost-effective for applying product with minimal waste
- Suitable for 1:1 / 1:2 / 1:10 mix ratio



Loctite® 96003 / 983437 200 ml Dual Cartridge Applicator

- Hand-held dispenser for 200 ml dual cartridges (item 96003 manual/ item 983437 pneumatic)
- Convenient & cost-effective for applying product with minimal waste
- Suitable for 1:1 / 1:2 mix ratio



Loctite® 983438 / 983439 400 ml Dual Cartridge Applicator

- Hand-held dispenser for 400 ml dual cartridges (item 983438 manual/ item 983439 pneumatic)
- Convenient & cost-effective method for applying product with minimal waste
- Suitable for 1:1 / 1:2 mix ratio



Loctite® 1047326 Electrical Cartridge Applicator, 300 ml

- Powerful tool to dispense even high viscosity materials
- Works with a rechargeable battery that allows application of up to 80 cartridges with one charge



Loctite® 98548 Benchtop Peristaltic Dispenser

- For low viscosity, non-thixotropic adhesives
- For precise dosing and controlled flow rate
- Versatile use as manual or semi-automatic workstation
- No air source required



Loctite® 98666 Syringe Dispensing System

- Analogue gauge, digital timer
- General purpose dispensing of viscosities from water-thin to paste-like
- Delivers repeatable dots in a timed mode, or beads in a continuous mode
- For products packaged in 10 ml or 30 ml syringes



Loctite® 97009 / 97121 / 97201 Integrated Semi Automatic Dispensing System

- Combines a controller and reservoir into a single unit
- Provides digital timing control, empty and end-of-cycle signal
- Pinch Valve suitable for stationary or hand held setup mode

Loctite® equipment solutions

Loctite® products are used for a wide variety of bonding, threadlocking, retaining, gasketing and thread sealing applications. For some jobs it is sufficient to dispense adhesives and sealants manually from the bottle or cartridge onto the surfaces to be joined. In other cases, however, more precise handheld or stationary automated dispensing is required.

To meet this need, Henkel developed an equipment range especially designed to make the application of Loctite® products economical, fast, precise and clean. Henkel equipment technology enables our customers to apply beads, drops or continuous rings of adhesives, and spray and spin of adhesives and sealants.


Henkel provides a complete modular line of Loctite® dispensing equipment, ranging from simple hand-held dispensers to fully automated systems including dispense monitors by either flow monitoring or on-part detection. Henkel also provides spot light and flood light curing systems to suit customer curing needs.

In addition to the standard equipment available, Henkel can design and build equipment based upon customers requirements to provide unique application solutions. A standard range of x-y-robots facilitates automation of assembly processes. Automated and special equipment on request.




Equipment


1/2" Flexible Dispense Tips. Dispense Needle, Polypropylene (PPF), Helical Thread

Product	Item No. (50 pieces)	IDH No.	Hub Colour	Gauge	Inner Dia. in mm
	97229	142640	Amber	15	1.37
	97230	142641	Green	18	0.84
	97231	142642	Pink	20	0.61
	97232	142643	Red	25	0.25










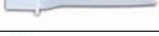


1/4" Tapered Dispense Tips. Dispense Needle, Polyethylene – Conical (PPC), Helical Thread

Product	Item No. (50 pieces)	IDH No.	Hub Colour	Gauge	Inner Dia. in mm
	97221	88660	Grey	16	1.19
	97222	88661	Green	18	0.84
	97223	88662	Pink	20	0.61
	97224	88663	Blue	22	0.41

1/2" High Precision Dispense Tips. Dispense Needle, Stainless Steel – Standard (SSS), Helical Thread

Product	Item No. (50 pieces)	IDH No.	Hub Colour	Gauge	Inner Dia. in mm
	97225	88664	Amber	15	1.37
	97226	88665	Green	18	0.84
	97227	88666	Pink	20	0.61
	97228	88667	Red	25	0.25

Additional Dispense Tips and Accessories

Product	Item No.	IDH No.	Description
	97216	303605	10 cc Syringe Starter Kit
	97233	88672	Luer-Lok® Adapter Kit, 20 Luer-Loks® and 5 adapters
	97238	218272	Dispense Needle, Stainless Steel – PTFE-lined (SSTL), 25 Gauge (50 pack)
	97248	218275	Luer-Lok Tip Caps (50 pack)
	97262	218288	Needle selection pack: 2 each of a variety of Dispense Needle
	97290	397462	All plastic precision dispense tip, 20 Gauge (50 pack)
	97511	530835	Tri-Nozzle – Helps eliminate bubbles in anaerobic gasket applications (10 pack)
	984569	478562	Square Mix Nozzle Kit for 50 ml, 10 Pcs. Static Mixer SQ 5.3-24
	984570	478563	Square Mix Nozzle Kit for 200/400 ml, 10 Pcs. Static Mixer SQ 7.5-24
	K1003100	88805	Formable Dispense Tip, 21 Gauge/ 0,5 mm (50 pack)
	K1003200	142674	Formable Dispense Tip, 12 Gauge/ 2 mm, (50 pack)
	98463	720221	Static mixer 50 ml 3030, 10:1 S-cartridges only (10 pack)

Maintenance Workshop

The Maintenance Workshop is a practical hands-on training program on the use of Loctite® products in Maintenance, Repair and Overhaul environments.

This program will provide your workforce with the knowledge and tools to do the following:

- Improve Reliability
- Improve Safety
- Save Time
- Reduce Fluid Consumption
- Reduce Energy Costs

We offer Training Modules for the following applications:

● **Standard Reliability Training**

- Threadlocking
- Pipe & Thread Sealing
- Gasketing
- Retaining

● **Maintenance Solution Training**

- Metal Rebuilding
- Lubrication
- Surface Treatment & Rust Prevention
- Bonding
- Flexible Sealing & Bonding

● **Additional Training**

- Cleaning

Key Maintenance Workshop features:

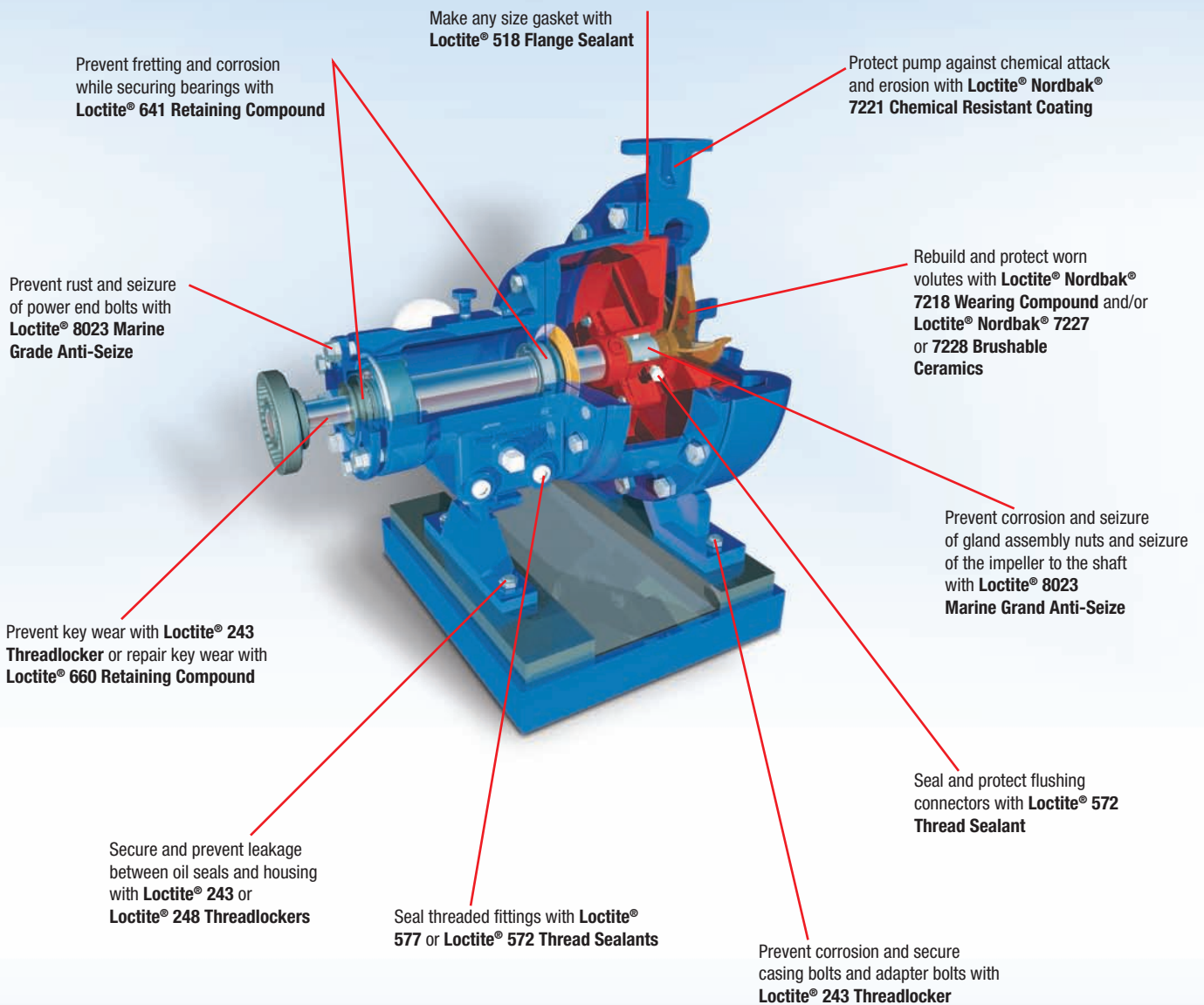
- Pre-plant survey
- Hands-on training
- Covers all trades
- Conducted on site
- Training materials supplied
- Review of common failure causes and prevention
- Standard 2 hour workshop can be tailored to meet your needs through a plant tour and pre-survey
- In-plant follow up



Pump & Centrifuge

- Help prevent costly breakdowns
- Increase reliability and performance
- Make any size or shape gasket
- Seal threads at low temperatures
- Prevent fretting and corrosion

Pump castings, impellers and volutes wear due to corrosion, erosion, cavitation, and mechanical damage. All these forms of damage can be effectively and economically repaired with Loctite® products.



Industrial centrifuges, used to separate, purify, extract, and wash various materials in industrial settings, are subject to high wear and tear. Loctite® and Teroson products help to extend their service life while keeping maintenance costs down.

Coat the entire surface of the bowl outer casing with **Loctite® Nordbak® 7221 Chemical Resistance Coating** or **Loctite® Nordbak® Sprayable Ceramic**

Prevent loosening and corrosion of the bowl fasteners to ensure reliability of gaskets by applying **Loctite® 243** or **Loctite® 248 Medium Strength Threadlocker**

Bond sintered tungsten carbide cylinder into the radial holes around the bowl end with **Loctite® Nordbak® 7228 Brushable Ceramic**. Protect the cake discharge hub with **Loctite® Nordbak® 7219 High Impact Wearing Compound**

Control noise by using **Teroson Terodem Soundproofing Material** on the base frame and V-belt guard

Prevent corrosion and seizure of alignment pins with **Loctite® 8009 Heavy Duty Anti Seize**

Coat entire surface, or fill gaps between the ceramic or tungsten carbide tips of the conveyor with **Loctite® Nordbak® 7227/7228 Brushable Ceramic**

Retain the joint between the bearings of bowl and conveyor using **Loctite® 603** or **Loctite® 641 Retaining Compound**. Repair worn cylindrical shafts with Metal filled Epoxy **Loctite® Hysol® 3478 Superior Metal**

Bond the artificial turf or other attachments with **Loctite® Hysol® 9492 High Temperature – Multi Purpose Epoxy** onto the bowl inside surface

Seal the flange faces of bowl components with **Loctite® 128068 Flange Sealant**

Seal and lock fittings and piping of the grease lubrication system at any angle with **Thread Sealants Loctite® 577** or **Loctite® 572**

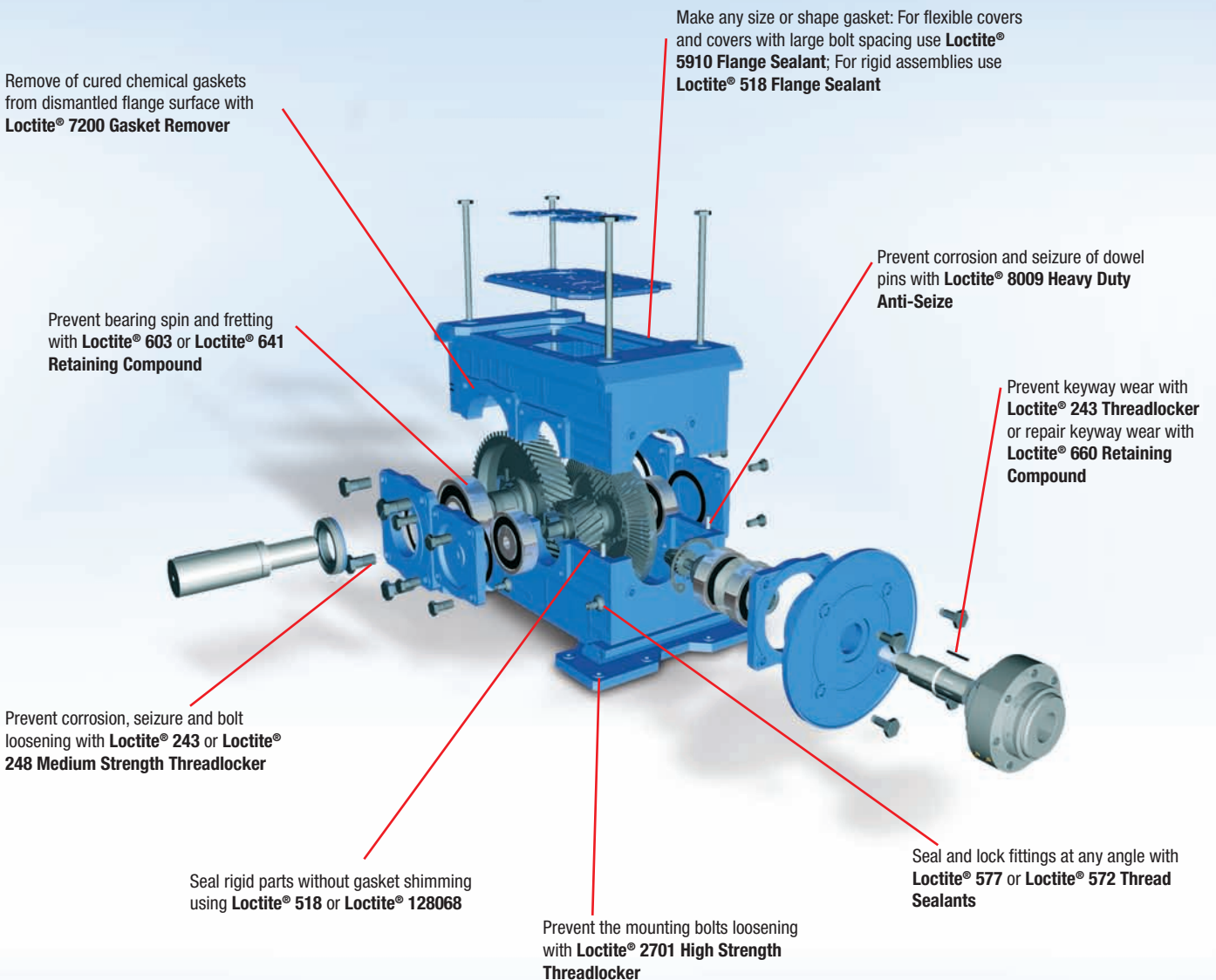
Coat the housing inside completely with **Loctite® Nordbak® Sprayable Ceramic** to protect against corrosion. At the cake discharge, coat the inner surface of the slurry collector with **Loctite® Nordbak® 7219 High Impact Wearing Compound** in areas of high impact abrasion



Gearbox & Shaft

- Help prevent costly breakdowns
- Increase reliability and performance
- Make any size or shape gasket
- Seal threads at low temperatures
- Prevent fretting and corrosion

Gearboxes are designed to provide users with the flexibility, precision, performance and reliability required in a wide range of modern power transmission applications. Loctite® products help to ensure reliable operation, extend service life and make speedy repairs to minimise gearbox downtime.



Most shaft assemblies run in harsh environments and operating conditions which result in wear, erosion, corrosion, and leaks. A comprehensive range of Loctite® products provides all the technologies required to minimise expensive downtime, enhance reliability and dramatically cut costs.

Additional Products:

Loctite® 7063 Cleaner & Degreaser:

- Use for all repair methods, for cleaning parts prior to adhesive bonding

Loctite® 7649 Activator:

- Use in combination with Retaining Compound
- Increases cure speed on passive surfaces such as stainless steel, aluminium, and plated or passivated metals

Loctite® 8192 Dry Film Lubricant Release Agent:

- Use as a release agent for the repair methods on parallel keys and splines

Proactive Maintenance: Loctite® 8012 Moly Paste:

- Prevent wear caused by friction
- Prevent corrosion

Sleeving: Loctite® 603, 648 and 668 Retaining Compounds:

- For badly worn shafts
- High load applications
- Use a sleeve material similar to the original shaft material

Bonding: Loctite® 603, 648, 660 Retaining Compound and Loctite® Hysol® 9466 A&B Epoxy:

- Recover worn or incorrectly machined components by using repair adhesives
- Adhesive selection depends on depth of wear

Proactive Maintenance: Loctite® 243 and 248 Threadlockers:

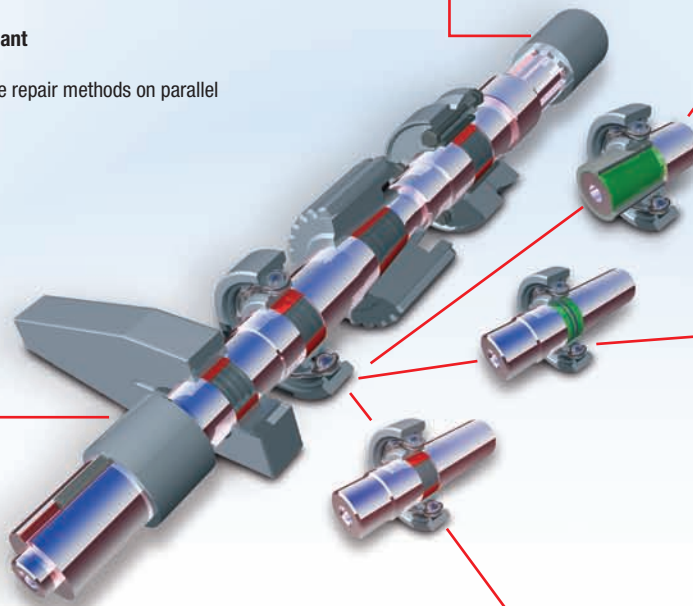
- Stop threads working loose
- Eliminate the micro-movement which leads to fretting
- Prevent keyway wear
- Prevent corrosion

Rebuilding: For badly worn Shafts Loctite® Hysol® 3478 A&B Metal filled Epoxy:

- Rebuild the worn surface with metal filled epoxy
- Machine the shaft after repair to the original (nominal) diameter

Loctite® 660 Retaining Compound and Loctite® 7649 Activator:

- Bond the shaft mounted component onto the worn surface



Index

Product No.	Description	Pack size	IDH No.	Page
222	Threadlocker, Low Strength	10 ml	267358	10
		50 ml	231501	
		250 ml	267359	
243	Threadlocker, Medium Strength	10 ml	135279	11
		50 ml	135278	
		250 ml	135357	
248	Threadlocker, Medium Strength, Semi-solid	9 g	540498	11
		19 g	540491	
268	Threadlocker, High Strength, Semi-solid	9 g	540900	11
		19 g	540907	
270	Threadlocker, High Strength	10 ml	267380	11
		50 ml	232515	
		250 ml	267381	
2701	Threadlocker, High Strength	10 ml	–	11
		50 ml	234853	
		250 ml	234855	
278	Threadlocker, High Strength	50 ml	?	11
		250 ml	?	
290	Threadlocker, Wicking	10 ml	267397	10
		50 ml	233733	
		250 ml	267398	
319/7649	Rear View Mirror Mesh Kit Glass-Metal Bonding Kit	0.5 ml	194088	20
		5 g / 4 ml	–	
330/7388	MULTI-BOND® Kit	50 ml / 40 ml	230054	21
330	Structural Adhesive, Toughened, non-mix	315 ml	135407	21
3030	Structural Adhesive	35 ml	TBD	20
3421 A&B	Structural Adhesive, General Purpose	50 ml	248211	20
		200 ml	254055	
		400 ml	530376	
3421 A	Structural Adhesive, General Purpose	1 kg	431949	20
		20 kg	588012	
3421 B	Structural Adhesive, General Purpose	1 kg	431948	20
		20 kg	588378	
3430 A&B	Structural Adhesive, Fast cure, Ultra clear	24 ml	242865	21
		50 ml	843054	
		200 ml	843759	
		400 ml	843759	
3450 A&B	Structural Adhesive, Fast cure, Black	25 ml	229177	21
3463	Metal Magic Steel™ Stick	50 g	396913	41
		114 g	265628	
3471 A&B	Metal Set S1, Putty, Tub Kit	500 g	229176	26
3472 A&B	Metal Set S2, Pourable, Tub Kit	500 g	?	26
3473 A&B	Metal Set S3, Fast Cure, Tub Kit	500 g	229174	26

Possibility for footnote, for example: *not available / on request

Product No.	Description	Pack size	IDH No.	Page
3474 A&B	Metal Set M, Wear Resistant, Tub Kit	500 g	195891	27
3475 A&B	Metal Set A1, Multi Purpose, Tub Kit	500 g	229173	27
3478 A&B	Superior Metal, Tub Kit	453 g	886366	27
3479 A&B	Metal Set HTA, High Temperature Resistant, Tub Kit	500 g	195826	27
401	Instant Adhesive, General Purpose	20 g	135428	19
		50 g	142576	
		500 g	135431	
406	Instant Adhesive, Low Viscosity	20 g	233695	18
		500 g	135438	
4062	Instant Adhesive, Very Low Viscosity	20 g	152922	19
		500 g	234076	
4204	Instant Adhesive, High Temperature	20 g	142746	19
		500 g	-	
431	Instant Adhesive, Surface Insensitive, High viscosity	20 g	261800	19
		500 g	195693	
435	Instant Adhesive, Rubber Toughened, Clear	20 g	871787	18
		500 g	872303	
454	Instant Adhesive, General Purpose Gel (Collapsible Cartridge)	3 g	-	18
		20 g	195678	
		300 g	88526	
		300 g	234443	
480	Instant Adhesive, Rubber Toughened, Black	20 g	135250	18
		500 g	135253	
4850	Flexible Instant Adhesive	20 g	373358	19
		500 g	373354	
5070	Pipe Repair Kit	2" x 6' tape	255861	41
510	Flange Sealant, Rigid Parts, High Temperature	50 ml	142608	15
		250 ml	135477	
		300 ml	135325	
5145	Flexible Adhesive Sealant, Non Corrosive	40 ml	88318	22
		300 ml	-	
518	Flange Sealant, Rigid Parts	25 ml	-	15
		50 ml	229875	
		300 ml	435566	
5203	Flange Sealant, Low Strength	50 ml	388178	14
		300 ml	170682	
5331	Thread Sealant, Plastic	100 ml	142492	12
534	Flange Sealant, Rigid or Flexible Parts, Semi-solid	9 g	705070	14
		19 g	705075	
5366	Flexible Adhesive Sealant, Clear	310 ml	142494	23
5367	Flexible Adhesive Sealant, White	310 ml	142493	23
5368	Flexible Adhesive Sealant, Black	310 ml	142495	23
5398	Flex. Adhesive Sealant, High temperature, Red	310 ml	195794	23

Index

Product No.	Description	Pack size	IDH No.	Page
5399	Flex. Adhesive Sealant, High temperature, Red	310 ml	142496	23
542	Thread Sealant, Hydraulic and Pneumatic	10 ml	135483	12
		50 ml	267431	
		250 ml	267432	
548	Flange Sealant, Rigid Parts, Semi-solid	9 g	705097	14
		18 g	704920	
55	Pipe Sealing Cord	50 ml	483283	12
		150 ml	270153	
561	Pipe Sealant, Semi-solid	19 g	540920	13
5610	Flexible Adhesive Sealant, 2-Component, Black	400 ml	1043815	22
5699	Flange Sealant, Big Gaps/Glycol Resistant	300 ml	142480	15
572	Pipe Sealant, Slow curing	50 ml	193964	13
		250 ml	135495	
574	Flange Sealant, Rigid Parts, Gel	50 ml	267437	14
		160 ml	267325	
		250 ml	231561	
577	Pipe Sealant, General Purpose	50 ml	229342	13
		250 ml	234573	
586	Thread Sealant, High Strength, Copper / Brass	50 ml	564040	13
		250 ml	88566	
5910	Flange Sealant, Big Gaps/Flexible	50 ml	142511	15
		300 ml	142491	
5970	Flange Sealant, Big Gaps/Non-Oximic	300 ml	392399	15
603	Retainer, High Strength, Oil Tolerant	10 ml	229873	17
		50 ml	135280	
		250 ml	88573	
620	Retainer, High Strength, High Temperature	50 ml	–	17
		250 ml	135515	
638	Retainer, High Strength	10 ml	142619	17
		50 ml	234795	
		250 ml	234811	
641	Retainer, Medium Strength	10 ml	267442	16
		50 ml	135522	
		250 ml	135523	
648	Retainer, High Strength, Medium Temperature	10 ml	–	17
		50 ml	234880	
		250 ml	267443	
660	Retainer, Large Gap Repair	50 ml	229232	16
668	Retainer, Medium Strength, Semi-solid	9 g	705002	16
		19 g	705053	
7039	Contact Cleaner Spray, Aerosol	400 ml	303145	31
7063	Small Parts Cleaner Pump Spray	400 ml	195814	31
	Small Parts Cleaner, Can	10l	149293	

Possibility for footnote, for example: *not available / on request

Product No.	Description	Pack size	IDH No.	Page
7070	Cleaner and Degreaser, plastic parts, Aerosol	400 ml	88432	31
7070	Cleaner and Degreaser, plastic parts, Pump Spray	400 ml	88365	31
7200	Gasket Remover, Aerosol	400 ml	235253	31
7218	Loctite® Nordbak® Wearing Compound Kit	1 kg	255890	28
		10 kg	458216	
7219	Loctite® Nordbak® High Impact Wearing Compound Kit	1 kg	255891	28
		10 kg	458213	
7221	Loctite® Nordbak® Chemical Resistant Coating Kit	5.4 kg	735862	29
7222	Loctite® Nordbak® Wear Resistant Putty Kit	1.3 kg	735864	28
7226	Loctite® Nordbak® Pneu-Wear Kit	1 kg	255892	29
		10 kg	458215	
7227	Loctite® Nordbak® Brushable Ceramic Grey Kit	1 kg	255893	29
7228	Loctite® Nordbak® Brushable Ceramic White Kit	1 kg	255894	29
7229	Loctite® Nordbak® High Temperature Pneu-Wear Kit	10 kg	255895	29
7230	Loctite® Nordbak® High Temperature Wearing Compound Kit	10 kg	255896	28
7234	Loctite® Nordbak® High Temperature Brushable Ceramic Kit	1 kg	254469	29
7239	Plastics Primer, CA (all plastics)	4 ml	333359	32
7240	Activator, Anaerobics	90 ml	333369	33
7452	Activator	18 ml	?	33
		500 ml	399524	
7457	Activator	18 ml	?	33
		150 ml	165146	
7458	Activator	500 ml	373363	32
7500	Rust Treatment Coating, Can	1 l	303403	40
7649	Activator	150 ml	142479	33
		500 ml	135252	
770	Primer	10 g	142624	32
		300 g	88609	
7800	Zinc Spray, Shiny, Aerosol	400 ml	303140	40
7803	Metal Protection Spray Coating	400 ml	142537	40
7840	Large Parts Cleaner (water based)	750 ml	235330	30
		5 l	235338	
		20 l	235341	
7850	Hand Cleaner	400 ml	195844	30
		3 l	?	
7855	Hand Cleaner, Paint, Resin	400 ml	235321	30
	Hand Cleaner, Paint, Resin, Pump dispenser	1.75 l	235320	
8001	Food approved mineral Oil Spray	400 ml	303130	34
8005	Belt Dressing, Aerosol	400 ml	232294	40
8007	Copper based Anti-Seize, Aerosol	400 ml	255795	39
8008	Copper based Anti-Seize, Brush Top	454 g	503147	39
		113 g	?	
		3.6 kg	?	

Index

Product No.	Description	Pack size	IDH No.	Page
8009	Heavy Duty Anti-Seize, Brush Top	454 g	504219	38
	Heavy Duty Anti-Seize, Can	3.6 kg	504233	
8011	High Temperature chain oil spray	400 ml	142526	35
8013	High purity metal free Anti-Seize, Brush Top	454 g	504588	38
8014	Food Grade Anti-Seize	907 g	505467	39
8021	Silicone oil, Aerosol	400 ml	458646	35
8023	Marine Grade, Anti-Seize, Brush Top	454 g	504618	38
8025	Nickel based Anti-Seize, Aerosol	400 ml	488375	38
	Nickel based Anti-Seize, Bottle	1 l	488374	
8030	Cutting oil, Bottle	250 ml	142558	35
8031	Cutting oil, Aerosol	400 ml	142528	35
8040	Freeze & Release, Aerosol	400 ml	760225	35
8060	Aluminium Anti-Seize, Stick	20 g	525118	39
8065	Copper based Anti-Seize, Stick	20 g	525392	39
8101	Chain Lubricant, Aerosol	400 ml	303134	37
8102	High temperature Grease, Cartridge	400 g	303148	37
	High temperature Grease, Can	1 l	142544	
8103	MoS ₂ Grease, Cartridge	400 g	303149	37
	MoS ₂ Grease, Can	1 l	142545	
8104	Silicone Grease, Tube	75 ml	142550	37
	Silicone Grease, Can	1 l	488369	
8105	Mineral Grease, Cartridge	400 g	303150	36
	Mineral Grease, Can	1 l	142547	
8106	Multi-purpose Grease, Cartridge	400 g	303151	36
	Multi-purpose Grease, Can	1 l	142548	
8150	Aluminium based Anti-Seize, Tub	500 g	303147	39
	Aluminium based Anti-Seize, Can	1 kg	504651	
8151	Aluminium based Anti-Seize, Aerosol	400 ml	303136	39
8154	MoS ₂ assembly Spray	400 ml	303135	39
8156	Metal free Anti-Seize, Can	500 g	303146	39
8191	MoS ₂ Anti-friction coating – Aerosol	400 ml	142532	34
8192	PTFE Coating, Aerosol	400 ml	142533	34
8201	Five Way Spray, Aerosol	400 ml	88414	35
9466 A&B	Structural Adhesive, Toughened	50 ml	451198	21
		400 ml	415200	
		1 kg	?	
9466 A	Structural Adhesive, Toughened	1 kg	446309	21
9466 B	Structural Adhesive, Toughened	1 kg	446320	21
9492 A&B	Structural Adhesive, High Temperature	50 ml	468286	21
		400 ml	468314	
9492 A	Structural Adhesive, High Temperature	1 kg	564195	21
9492 B	Structural Adhesive, High Temperature	1 kg	564196	21
96001	Dual Cartridge Manual Applicator 1:1, 2:1; 50 ml	eq	267452	42

Possibility for footnote, for example: *not available / on request

Product No.	Description	Pack size	IDH No.	Page
96003	Dual Cartridge Manual Applicator 1:1, 2:1; 200 ml	eq	267453	42
97001	Peristaltic Hand Pump 250 ml	eq	88631	42
97002	Cartridge Pneumatic Dispenser 300 ml	eq	88632	42
97009	Integrated Semi-Automatic Dispensing System	eq	215845	42
97040	Cartridge Manual Dispenser 300 ml	eq	476903	42
97042	Pneu. Handgun 50 ml 1:1, 2:1, 10:1	eq	476898	42
97121	Pinch Valve Applicator	eq	88650	42
97201	Footswitch for Integrated Semi Automatic Dispensing System	eq	88653	42
983437	Dual Cartridge Pneumatic Applicator 1:1, 2:1; 200 ml	eq	218315	42
983438	Dual Cartridge Manual Applicator 1:1, 2:1; 400 ml	eq	218312	42
983439	Dual Cartridge Pneumatic Applicator 1:1, 2:1; 400 ml	eq	218311	42
98548	Benchtop Peristaltic Dispenser	eq	769914	42
98666	Digital Syringe Dispenser	eq	883976	42
1047326	Electrical Cartridge Applicator	eq	1047326	42
O-Ring-kit		kit	480166	41
Terostat 9120	MS Sealant, black	310 ml	267084	24
	MS Sealant, grey	310 ml	274943	
	MS Sealant, white	310 ml	252257	
Terostat 9120	MS Sealant, black	570 ml	–	24
	MS Sealant, grey	570 ml	–	
	MS Sealant, white	570 ml	–	
Terostat 9220/9380	MS Elastic Bonding, black = Terostat 9220	310 ml	?	25
	MS Elastic Bonding, grey = Terostat 9380	310 ml	?	
	MS Elastic Bonding, white = Terostat 9380	310 ml	?	
Terostat MS 930	MS Sealant, black	310 ml	261896	24
	MS Sealant, grey	310 ml	100139	
	MS Sealant, white	310 ml	264872	
Terostat MS 930	MS Sealant, black	570 ml	191044	24
	MS Sealant, grey	570 ml	150334	
	MS Sealant, white	570 ml	150336	
Terostat MS 931	MS Sealant, white	310 ml	96576	24
Terostat MS 937	MS Elastic Bonding, black	310 ml	356302	25
	MS Elastic Bonding, grey	310 ml	265505	
	MS Elastic Bonding, white	310 ml	245532	
Terostat MS 939	MS Elastic Bonding, black	310 ml	100146	25
	MS Elastic Bonding, grey	310 ml	99164	
	MS Elastic Bonding, off white	310 ml	178296	
	MS Elastic Bonding, white	310 ml	97325	
Terostat MS 9399	MS Elastic Bonding, dual cartridge, black	2 x 200 ml	964329	25
	MS Elastic Bonding, dual cartridge, white	2 x 200 ml	1064110	

Henkel – The Solution Provider

Solutions For Today – And Tomorrow

With its highly recognized Loctite®, Teroson, Hysol®, Nordbak® and other power brands, Henkel is a world market leader bringing total solutions to OEMs, to MRO facilities and for aftermarket repair needs. This makes Henkel products the professionals' choice for applications from a diverse technology portfolio. Henkel customers benefit from the company's decades of experience as a technology innovator, as well as unparalleled service and support.

Powerful Solutions meet all needs

As a Solution Provider, Henkel offers much more than outstanding products – it provides powerful solutions based on innovative technologies and concepts, and on an in-depth understanding of the customers' devices. Multiple functionalities deliver benefits which help customers both in maintenance and repair and in original equipment manufacturing respond effectively to the problems in ensuring reliability, safety and durability.

Training & Seminars – Making the most of Henkel products

At Henkel, customer training is an ongoing effort – because even high-quality products can be only as good as the people who use them. The company offers hands-on seminars and workshops focused on Best Practices and advice on how to maximize reliability while cutting maintenance time and costs. Conducted at the customer's premises, training can be tailored to meet individual needs through a plant tour and pre-survey.

Products from the Henkel range – Designed for everyday use – Tested on the world's toughest events

As Official Partner and Supplier to the Dakar Rally for several years, Henkel has supported the competing teams with products that reflect the company's innovation and technological excellence. Over the years, close contacts have developed into a strong relation of mutual trust and understanding, built on the competent service and the high-quality adhesives and sealants offered for fast and efficient repairs which have helped many drivers to make it to the finish line.



For more information on the Henkel portfolio, please visit www.henkel.com, where you can download catalogues, data sheets, technical papers, etc.

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.

**Henkel Loctite
Adhesives Limited**
Wood Lane End
Hemel Hempstead
Hertfordshire HP2 4RQ
Tel. 01442 418305
Fax 01442 418228

Henkel Limited
Wood Lane End
Hemel Hempstead
Hertfordshire HP2 4RQ
Tel. 01442 278000
Fax 01442 278071
www.loctite.co.uk

Henkel Limited
Wood Lane End
Hemel Hempstead
Hertfordshire HP2 4RQ
Tel. 01442 278000
Fax 01442 278071
www.loctite.co.uk

Henkel Limited
Wood Lane End
Hemel Hempstead
Hertfordshire HP2 4RQ
Tel. 01442 278000
Fax 01442 278071
www.loctite.co.uk

www.loctite.co.uk

© designates a trademark of Henkel AG & Co. KGaA or its affiliates, registered in Germany and elsewhere © Henkel AG & Co. KGaA, 2008