

# LOCTITE®

## Maintenance Solutions



**LOCTITE®**

**243™**

**THREADLOCKER**

- Medium strength
- Oil tolerant
- Best performance on multiple substrates



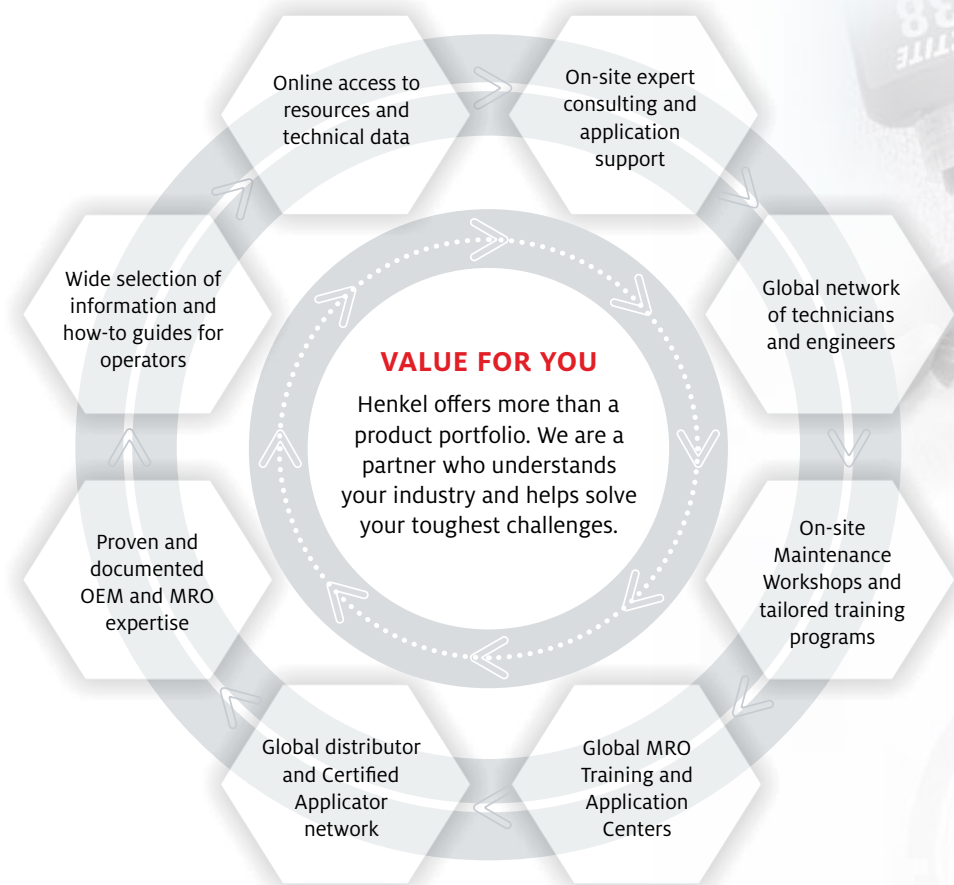
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Excellence is our Passion

# Henkel. Solutions for All Your Maintenance Challenges

## Maintain. Repair. Rebuild. Protect.



### On-Site Consulting

Plant surveys analyze your current maintenance practices and culture, and recommend improvements. Product analysis can help reduce the complexity of your maintenance product inventory.

### Maintenance Workshops

On-site customized training will help your staff improve equipment reliability, reduce routine and redundant maintenance tasks, save energy costs, and increase productivity.

### Protective Coating Solutions

Our experts will show you how to identify and apply the proper surface-protection coatings to keep your assets up and running. We can also recommend Henkel Certified Applicators who specialize in these repairs.

### Industry Maintenance Guides

Our in-depth programs offer solutions for rebuilding and maintaining key industrial devices such as pumps, shafts, gearboxes, and centrifuges.

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# THREADLOCKING

## Locking of threaded fasteners

- » PREVENTS LOOSENING FROM SHOCK AND VIBRATION
- » SINGLE COMPONENT – CLEAN AND EASY TO APPLY
- » CAN BE USED ON VARIOUS SIZES OF FASTENERS – REDUCES INVENTORY COSTS
- » FILLS GAP BETWEEN THREADS AND UNITIZES THE ASSEMBLY
- » STOPS RUST AND CORROSION

### ▶ ARE THE PARTS ALREADY ASSEMBLED?

*Helpful Hints:*

- Clean parts with LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser before applying the adhesive.
- If the threadlocker will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- If the parts were in contact with aqueous washing solutions or cutting fluids that leave a protective layer on the surface, wash with hot water before use.

YES

Wicking – Green

### ▶ HENKEL SOLUTIONS

LOCTITE® 290

Fastener Size	1/16" TO 1/2" (M2 TO M12)
Strength	High
Cure Time (Fixture/Full Strength)*	20 min./24 hr.
Breakaway/Prevail Torque (N.m)	10/29
Temperature Resistance for Continuous Service	150°C

Package Size & IDH

50 ml bottle - 531724  
250 ml bottle - 848069

\* Typical value @ 22°C

#### ADDITIONAL PRODUCTS

Name	Strength/Color	Breakaway/Prevail Torque (N.m)	Features
LOCTITE® 220	Low - Blue	9/19	Removable grade, wicking, for small threads of 1/4" (M6) or smaller
LOCTITE® 270	High - Red	26/36	Fasteners up to 3/4" (M20)
LOCTITE® 271	High - Red	28/31	Fasteners up to 1" (Up to M25)
LOCTITE® 272	High - Orange	22/24	High Temp up to 11/2" (M36)



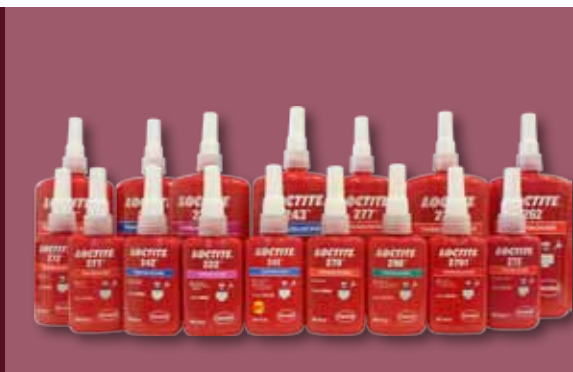
Recommended for locking pre-assembled fasteners, i.e. instrumentation screws, electrical connectors, and set screws. Also seals porosities in welds and metal parts.

#### LOCTITE® PRIMERS

**Use LOCTITE® Primer to:**

1. Activate inactive surfaces.
2. Speed cure times for faster return to service.
3. Speed curing through larger gaps and deep threads.
4. Substantially speed cure times on cold parts.
5. Act as a cleaning agent.





NO

What strength do you require?

Low – Purple

Medium - Blue

High – Red

Permanent - Red

Oil tolerant

LOCTITE® 222

LOCTITE® 243

LOCTITE® 263

LOCTITE® 277

Up to 1/4" (Up to M6)

1/4" to 3/4" (M6 to M20)

Up to 1"

For large bolts > 7/8" (>20mm)

Low

Medium

High

Permanent

10 min./24 hr.

10 min./24 hr.

10 min./24 hr.

60 min./24 hr.

6/3

20/7

32/32

31/31

150°C

180°C

180°C

150°C

50 ml bottle - 848063  
250 ml bottle - 848062

10 ml bottle - 1427418  
50 ml bottle - 1367282  
250 ml bottle - 531707  
1 litre bottle - 833788

50 ml bottle - 1367281  
250 ml bottle - 1511183

50 ml bottle - 531723  
250 ml bottle - 531722



Recommended for low strength threadlocking of adjustment screws, countersunk head screws, and set screws; on collars, pulleys, tool holders, and controllers. Also for low strength metals such as aluminum or brass.



With improved oil tolerance, LOCTITE® 243 Threadlocker is effective on all types of metal threaded fasteners. Prevents loosening on vibrating parts such as pump, motor mounting bolts, gear boxes, or presses. Removable with hand tools.



Engineered to cure consistently on a variety of metals, despite minor surface contaminants. Works on steel, stainless steel and most plated fasteners. Tolerates thread lubrication, anti-corrosion and protection fluids. Heat required for removal.



High strength adhesive for locking and sealing large bolts and studs 1" (25 mm) or larger in diameter. Heat may be required to weaken bond before parts can be disassembled.

Name	Color	Viscosity	Base	On-Part Life	Dry Time	Package Size & IDH
7649 Primer N	Clear/Green	2	Acetone	30 days	30 to 70 seconds	100 ml - 849297
7471 Primer T	Amber	2	Acetone/ Isopropanol	7 days	30 to 70 seconds	100 ml - 849296

**Primer is optional with:**  
Active surfaces: Brass, copper, bronze, iron, soft steel, nickel.

**Primer is required with:**  
Inactive surfaces: Aluminum, stainless steel, magnesium, zinc, black oxide, cadmium, titanium, and others.



# THREAD SEALING

- » LIQUIDS ENSURE COMPLETE CONTACT BETWEEN THREADS FOR A 100% SEAL
- » LIQUIDS WILL NOT CREEP, SHRINK, SHRED OR BLOCK SYSTEMS (INCLUDING FILTERS)
- » DISASSEMBLY CAN BE ACHIEVED EASILY WITH BASIC HAND TOOLS
- » REPLACES TAPES AND PASTES

## ▶ ARE THE PARTS METAL OR PLASTIC?

### Helpful Hints:

- If the sealant (LOCTITE® 545 Thread Sealant, LOCTITE® 565 Thread Sealant, LOCTITE® 567 Thread Sealant, or LOCTITE® 561 Pipe Sealant) will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- All parts must be clean and dry before sealing - use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.

**PLASTIC AND/  
OR METAL**

HENKEL SOLUTIONS	Cord LOCTITE® 55
Description	Cord
Maximum Thread Size	4" (10.16 cm)
Temperature Resistance	150°C
Maximum Pressure Resistance (N/mm <sup>2</sup> )/Cure Time	10,000 psi (68.9)/instant
Substrate to be Sealed	Metal, Plastic or Both
Instant Low Pressure Seal	Yes
Package Size & IDH	150 metres - 1752446

### ADDITIONAL PRODUCTS

Name	Features
LOCTITE® 572	Easy application by hand. Slow curing. For use on construction pipe sealing.
LOCTITE® 545	Low strength, fast curing for hydraulic / Pneumatic fittings.



Can be safely applied on metal and plastic threaded fittings. Potable water: NSF/ANSI 61 UL Listed and Certified to CSA International. \*\*



## METAL PARTS

Are the threads fine or coarse?

Fine

Coarse

**LOCTITE® 542**  
(Hydraulic & Pneumatic)

**LOCTITE® 565**

**LOCTITE® 567** 

**LOCTITE® 577** 

Brown Liquid

White to off White Paste

White Paste

Yellow Paste

Up to 3/4" (1.90 cm)

Up to 2" (5.08 cm)

3" (7.62 cm)

Up to 3" (7.62 cm)

150°C

150°C

250°C

180°C

10,000 psi (68.9)/24 hrs.

10,000 psi (68.9)/72 hrs.

10,000 psi (68.9)/72 hrs.

10,000 psi (68.9)/72 hrs.

Metal

Metal

Stainless Steel, Aluminum

Metal

No

Yes

Yes

No

50 ml bottle - 848735  
250 ml bottle - 848736

50 ml bottle - 1751917  
250 ml bottle - 1752552

50 ml bottle - 2146962  
250 ml bottle - 2146695

50 ml bottle tube - 2121780  
250 ml bottle tube - 2121367



Recommended for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general. Carries German DVGW approval (NG-5146 AR 0855) Meets BS 6956 type A for sealing gas fittings. \*\*

A general-purpose instant sealant for tapered and straight/tapered fittings.

Withstands temperatures to 204°C with excellent solvent resistance. Locks and seals tapered pipe threads and fittings, including high pressure applications. Disassembles with hand tools.

Medium strength, general purpose sealant for use on coarse, threaded components.

\*\* All approvals are region specific. Please contact your Henkel Sales Representative for further information.



# GASKETING

## Sealing and Flanges

- » NO SHIMMING EFFECT – CONTROLLED TOLERANCES, NO NEED FOR RE-TORQUING
- » FILL ALL VOIDS – REDUCE THE NEED FOR A FINE SURFACE FINISH OF FLANGES
- » PARTS CAN BE DISASSEMBLED EASILY EVEN AFTER EXTENDED SERVICE
- » RESISTS HIGH PRESSURE WHEN FULLY CURED

### ▶ DOES THE EXISTING GASKET NEED TO BE USED AS A SHIM?

*Helpful Hints:*

- If there are traces of old gasket left on the parts to be sealed, clean with LOCTITE® SF 790 Chisel Gasket Remover.
- All parts must be clean and dry before sealing – use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.
- Anaerobic products cure between metal surfaces with the absence of air.

Rigid

### ▶ HENKEL SOLUTIONS

	LOCTITE® 510	LOCTITE® 518 
Color	Pink	Red
Gasket Type	Formed-in-place	Formed-in-place
Gap Fill	0.010" (0.25 mm)	0.010" (0.25 mm)
Cure Method	Anaerobic	Anaerobic
Fixture/Cure Time	N.A./24 hrs.	N.A./24 hrs.
Temperature Resistance (Continuous/Intermittent)	204°C/N.A.	150°C/N.A.
Instant Seal	Excellent	Excellent
Water/Glycol Resistance	Excellent	Excellent
Package Size & IDH	50ml tottle tube - 848390 250ml tottle tube - 848731 300ml cartridge - 910888	50ml tottle tube - 211819 250ml tottle tube - 211817 250ml cartridge - 2136699

### ADDITIONAL PRODUCTS

Name	Features
<b>LOCTITE® 515 Gasket Eliminator Flange Sealant</b>	For flexible applications. Cure speed: Unprimed - 1 to 12 hours. Primed - 15 minutes to 2 hours.
<b>LOCTITE® 790 Chisel Gasket Remover</b>	Solvent. Dry time: Leave on surface for 5 to 10 minutes. Wipe/scrape clean.
<b>LOCTITE® SI 5920</b>	Designed for high temperature resistance and electrical insulating applications. Temperature resistance upto 360°C.



High temperature. Product has a temperature range to 204°C with excellent solvent and chemical resistance. Makes or dresses gaskets in rigid assemblies. Eliminates gasket compression set.



Recommended for use on rigid iron, steel and aluminum flanges. Spray LOCTITE® SF 7649 Primer N on only one surface.





**NO**

Are you sealing a rigid or a stamped flange?

		Stamped	
<b>LOCTITE® 574</b>	<b>LOCTITE® SI 587</b>	<b>LOCTITE® SI 596</b>	<b>LOCTITE® SI 5900</b>
Red	Blue	Red	Black
Formed-in-place	Formed-in-place	Formed-in-place	Formed-in-place
0.010" (0.25 mm)	0.250" (6.35 mm)	0.250" (6.35 mm)	0.240" (6 mm)
Anaerobic	Moisture (RTV)	Moisture (RTV)	Moisture (RTV)
N.A./24 hrs.	50 min. (Skin formation)	50 min. (Skin formation)	20 min. (Skin formation)
150°C/N.A.	204°C/250°C	316°C	204°C/N.A.
Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent
50ml tottle tube - 848739 250ml tottle tube - 848734	95g tube - 1266356 300ml cartridge - 1246389	300ml cartridge - 317667	300ml cartridge - 1257126



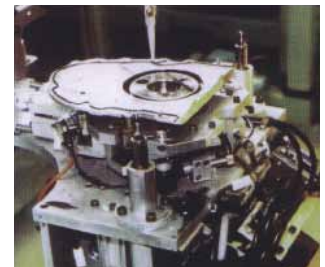
Recommended for sealing rigid & semi-rigid metal flanges. Fast curing. Gives instant sealing.



All types of flanges including stamped sheet metal. Designed for superior bonding properties to oil contaminated metals.



High temperature silicone sealant makes the repair of industrial furnaces, ovens, boilers, exhaust stacks, high temperature stacks, ducting and heating elements.



Superior flexibility, withstand high relative joint movement. High adhesion, gives instant seal. Low odor, Low volatility, Non-corrosive.



# RETAINING Securing Cylindrical Assemblies

- » BOND NON-THREADED CYLINDRICAL METAL ASSEMBLIES
- » HIGH AND MODERATE STRENGTH PRODUCTS – CAN CARRY HIGH LOADS AND ELIMINATE FRETTING
- » FILL ALL VOIDS – PREVENT CORROSION
- » REDUCE THE NEED FOR CLOSE TOLERANCES
- » 100% CONTACT – LOAD AND STRESS ARE DISTRIBUTED EVENLY OVER THE JOINT

## ► IS THE ASSEMBLY BADLY WORN?

*Helpful Hints:*

- If the retaining compound will be applied below 5°C, pre-treat with LOCTITE® 7649 Primer N.
- All parts must be clean and dry before sealing – use LOCTITE® SF 7070 ODC-Free Cleaner and Degreaser.
- If the parts have been in contact with washing or cutting fluids containing nitrates, wash with hot water.


**YES - GAPS UP TO  
0.020" (0.5 MM)**

## ► HENKEL SOLUTIONS

**LOCTITE® 660**

Strength Required	High
Shear Strength (N/mm <sup>2</sup> )	3,335 psi (23)
Diametrical Clearance	Up to 0.020" (0.5 mm)
Temperature Resistance	150°C
Cure Time (Setup/Full Strength)	20 min./24 hr.
Package Size & IDH	50ml bottle - 1752417

### ADDITIONAL PRODUCTS

Name	Features
<b>LOCTITE® 680</b> 	Gives best resistance to dynamic, axial and radial loads. Recommended for retaining shafts, gears, pulleys, and similar cylindrical parts.
<b>LOCTITE® 620</b>	Particularly suitable for applications where temperature resistance up to 200°C is required. Requires heat cure to achieve temperature resistance.
<b>LOCTITE® 603</b>	For close-fitting parts (gap up to 0.1 mm) with light contamination. Typical applications include retaining roller bearings or oil impregnated bushings into housings.



Used for repairing worn coaxial parts without remachining; enables reuse of worn bearing seats, keys, splines, tapers, or for retaining shims.



**NO - GAPS TO 0.015" (0.25 MM)**

Do you require low, medium or high strength?

Low Strength

Medium Strength

High Strength

High Viscosity

Low Viscosity

**LOCTITE® 641**

**LOCTITE® 609**

**LOCTITE® 638** 

**LOCTITE® 648** 

Low

Medium

High

High

1,700 psi (11.7)

2,300 psi (15.8)

4,200 psi (29)

4,480 psi (31)

Up to 0.006" (0.15 mm)

Up to 0.005" (0.1 mm)

Up to 0.01" (0.25 mm)

Up to 0.006" (0.15 mm)

150°C

150°C

180°C

180°C

20 min./24 hr.

10 min./24 hr.

15 min./24 hr.

10 min./24 hr.

50ml bottle - 848752  
250ml bottle - 848750

50ml bottle - 848744  
250ml bottle - 848745

50ml bottle - 1865160  
250ml bottle - 1865048

50ml bottle - 1865163  
250ml bottle - 1865164



A controlled strength retaining compound that is ideal for cylindrical parts that require disassembly.



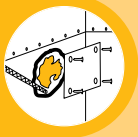
Recommended for parts that will need subsequent dismantling, i.e. retention of bearings onto shafts and into housings.



Maximum strength. For use where high dynamic force or cyclic loading is expected. Offers high temperature performance and oil tolerance.



Press Fit/High Strength/Rapid Cure. Offers high temperature performance and oil tolerance.



# INSTANT BONDING

- » ASSEMBLE PARTS QUICKLY AND EASILY
- » REPAIR BROKEN PARTS
- » BOND DISSIMILAR PARTS

## ▶ WHAT IS THE BONDING APPLICATION REQUIREMENT?

Porous / absorbent material

### ▶ HENKEL SOLUTIONS

**LOCTITE® 401**

Fixture Time	15 sec.
Gap Fill (mm)	0.12
Temperature Resistance	120°C
Shear Strength, psi (N/mm <sup>2</sup> )	3200 (22)
Viscosity (cP)	110
Package Size & IDH	20g bottle - 1669715 1litre bottle - 833784

### ADDITIONAL PRODUCTS

Name	Features	Gap Fill (mm)
<b>LOCTITE® 480</b>	Suitable for close-fitting parts	0.15
<b>LOCTITE® 430</b>	Metal bonder for close fitting parts	0.12
<b>LOCTITE® 420</b>	Wicking type plastic bonder	0.05



Surface insensitive instant adhesive for difficult-to-bond, porous surfaces such as wood, paper, leather or fabric.



**BONDING RUBBER, PLASTIC, METAL - INSTANT BONDING**

	Plastics / Rubber (EPDM)	Metal parts	General Purpose
<b>LOCTITE® 454</b>	<b>LOCTITE® 406</b>	<b>LOCTITE® 415</b>	<b>LOCTITE® 495</b>
15 sec.	15 sec.	30 sec.	20 sec.
0.25	0.10	0.20	0.10
120°C	120°C	80°C	120°C
3200 (22)	3200 (22)	3600 (25)	2750 (19)
Gel	20	1500	45
20g bottle - 1752383 300g cartridge - 88525	20g bottle - 1669713	20g bottle - 848003 500gm bottle - 849230	20g bottle - 1669711



Surface insensitive gel. Bonds porous & absorbent surfaces. Non-dripping, particularly suited for overhead applications.



Particularly suited for bonding rubbers & plastics. A must for every tool box for general maintenance & repair. Makes O-rings instantly. Wicking viscosity for tight bond lines.



High viscosity adhesive offering maximum adhesion to metals. Ideal for bonding small metal parts for general maintenance.



A general purpose adhesive designed to bond rubber, metal & plastic parts.



# METAL AND CONCRETE REPAIR

- » HIGH COMPRESSIVE STRENGTH
- » METALS CAN BE MACHINED, DRILLED OR TAPPED AFTER CURE
- » EXCELLENT RESISTANCE TO AGGRESSIVE CHEMICALS

## ▶ WHAT MATERIAL ARE YOU REPAIRING OR REBUILDING?

### STEEL

#### Kneadable

#### High compressive strength

#### Putty

### ▶ HENKEL SOLUTIONS

**LOCTITE® EA 3463**  
Metal Magic Steel™ Stick

**LOCTITE® EA 3478**  
Superior Metal

**LOCTITE® EA 3471**  
Steel Putty

Description	2K-Epoxy	2K-Epoxy	2K-Epoxy
Mix ratio by volume/weight	N/A	4:1 / 7.25:1	2.5:1 / 6.25:1
Working life	2.5 - 5 min.	20 min.	30 min.
Fixture time / Cure time	10 min.	6 h	6 h
Shear strength (GBMS)	≥ 3.45 N/mm <sup>2</sup>	17 N/mm <sup>2</sup>	9.6 N/mm <sup>2</sup>
Compressive strength	83 N/mm <sup>2</sup>	125 N/mm <sup>2</sup>	61.7 N/mm <sup>2</sup>
Service temperature range (Dry)	-30°C to +120°C	-29°C to +120°C	-30°C to +105°C
Coverage @ 6mm thickness*	45cm <sup>2</sup>	232cm <sup>2</sup>	278cm <sup>2</sup>
Package Size & IDH	4 oz - 1752399	1kg - 680035	1 lb - 1752406 1 lb - 1752434

\*As mentioned in product technical data sheet



- Emergency sealing of leaks in pipes and tanks
- Smoothes welds
- Repairs small cracks in castings

Sets in 10 minutes. Steel filled kneadable stick. Adheres to damp surfaces and cures under water. Chemical and corrosion resistant. Can be drilled, filed and painted.

**ANSI/NSF Standard 61\*\***



- Rebuilding keyways and spline assemblies
- Rebuilding of bearings, clamp connections, tensioning elements, gear wheels or bearing seats

Ferro-silicon filled with outstanding compression strength. Ideal for renewing surfaces subjected to compression, thrust, impact and harsh environments.



- Seal cracks in tanks, castings, vessels and valves
- Patch non-structural defects in steel casings
- Resurface worn air seals
- Repair pitting caused by cavitation and/or corrosion

General-purpose steelfilled, non-sagging 2KEpoxy. Used to rebuild worn metal parts.



	ALUMINIUM	CONCRETE	METAL
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**Fast cure putty**

**High temperature resistance**

**Reliable and long lasting concrete repairs**

**Wear resistance**

LOCTITE® PC 3473 Fast Steel Putty	LOCTITE® EA 3479 Metal Set HTA	LOCTITE® PC 9410 Magna Crete	LOCTITE® PC 9416 Floor Fill	LOCTITE® PC 7222 Wear Resistant Putty
2K-Epoxy	2K-Epoxy	2K Magnesium Phosphate System	3K-Epoxy	2K-Epoxy
1:1 / 100:56.5	1:1 / 1:1	Refer to TDS	4.6:1:9.8 / 16:3.2:80.8	2:1 / 2:1
3 min.	40 min.	5 to 20 min.	40 to 60 min.	30 min.
10 min.	12 h	1-2 h	24 h	6 h
15 N/mm <sup>2</sup>	20 N/mm <sup>2</sup>	-	-	16.8 N/mm <sup>2</sup>
51 N/mm <sup>2</sup>	90 N/mm <sup>2</sup>	90 N/mm <sup>2</sup>	90 N/mm <sup>2</sup>	72 N/mm <sup>2</sup>
-30°C to +95°C	-20°C to +190°C	-50°C to +1,100°C	-30°C to +110°C	-30°C to +105°C
370cm <sup>2</sup>	-	52m <sup>2</sup>	532in <sup>3</sup>	342cm <sup>2</sup>
500g can - 680036	500g - 1752395	5 gal - 235573	5kg - 680838 20kg - 1400736	500g - 679971



- Repair holes in tanks, leaks in pipes and elbows
- Renew stripped threads
- Rebuild worn steel parts

Fast curing, steel filled, non-sagging. Ideal for emergency repair and repairing worn metal parts to prevent downtime.



- Rebuilding and repairing worn metal parts in high operating temperature applications

A non-sagging, heavily reinforced, aluminium powder filled 2K-Epoxy. Easily mixed and moulded to form odd shapes if required. Cures to a nonrusting, aluminium-like finish.



- Repair / rebuild of ramps and loading areas, support beam and footer repairs, bridge decking and supports, concrete bunds and walls etc.

Two-component, rapid setting concrete repair and grouting system designed for making reliable, long lasting repairs. Bonds to concrete, wood, glass, steel and construction materials. Can be mixed and applied from -25°C to 45°C.



- Three component chemically resistant product
- Bonds to almost any clean substrate
- Self-leveling
- Very high compressive strength
- Can withstand impact load

A non-shrinking 100% solids epoxy based system for repairing holes in floors, spalled areas, ramps, stairs, cracks in floors and for use in grouting applications.



- Ideal for filling pits and other irregularities in metal surfaces
- Used in pipes, pumps elbows, transitions, butterfly valves, deflection plates, turbine blades and tanks

Contains ceramic fibers, giving this trowelable putty excellent wear and abrasion resistance with a smooth, low friction finish. Used in applications with an operating range of -30°C to 105°C.

\*\* All approvals are region specific. Please contact your Henkel Sales Representative for further information.



# PROTECTIVE COATINGS AND COMPOUNDS

- » PROVIDES SUPERIOR PROTECTION FROM ENVIRONMENTAL IMPACT
- » ELIMINATES AND BREAKS CORROSION / EROSION CYCLE
- » HIGH COMPRESSIVE STRENGTH
- » BROAD RANGE TAILORED TO SPECIFIC APPLICATIONS

## ▶ WHAT TYPE OF COATING DO YOU REQUIRE?

### WEAR RESISTANT

#### Impact Resistance

#### Shallow Wear

### ▶ HENKEL SOLUTIONS

**LOCTITE® MR Flex 80™ Putty**  
Pourable Repair Compound

**LOCTITE® PC 7333**  
Brushable Ceramic

Colour	Black	Dark grey
Service temperature range (dry)	-29°C to +82°C	-29°C to +120°C
Mix ratio by volume (A:B)	2.5:1	2.75:1
Mix ratio by weight (A:B)	2.6:1	4.8:1
Working time	10 min.	30 min.
Cure time	8 h	6 h
Recommended total layer thickness	NA	min. 0.5 mm
Package Size & IDH	1lb - 1752404	1kg - 680038

### ADDITIONAL PRODUCTS

Name	Features
<b>LOCTITE® PC 235597 Ultra High Temperature Pneu Wear</b>	Recommended for any application that requires protection from fine particle abrasion under dry service temperatures of upto 288°C.
<b>LOCTITE® PC 7234 High Temperature Brushable Ceramic</b>	A ceramic reinforced epoxy that provides high gloss, low friction coating designed to protect against turbulence and abrasion under dry service temperatures of up to 288°C.
<b>LOCTITE® PC 9340 High Temperature Chemical Resistant Coating</b>	To protect equipment against extreme corrosion caused by chemical exposure under dry service temperatures of upto 210°C.



It is ideal for repairing metal, rubber, and urethane surfaces that are subject to wear and impact. Typical applications include pump liners, pulleys, conveyor belts, rubber and urethane parts or sheeting, and couplings.



Brushable ceramic filled two-part epoxy for

- Impellers, butterfly valves
- Pump housings
- Cyclones
- Lining tanks





**CORROSION RESISTANT**

**Deep Wear**

LOCTITE® PC 7218 Wearing Compound	LOCTITE® PC 7226 Pneu Wear	LOCTITE® PC 7320 Flexible Structural Coating	LOCTITE® PC 7319 Chemical Resistant Coating
Grey	Grey	Grey, Blue, Green	Grey, Blue, Green
-30°C to +120°C	-30°C to +120°C	+ 5°C to +90°C	-30°C to +120°C
2:1	4:1	1:1	2.3:1
2:1	4:1	1:1	3.4:1
30 min.	30 min.	50 min.	30 min.
7 h	6 h	4 h	16 h
min. 6 mm	min. 6 mm	min. 0.5 mm	min. 0.5 mm
2kg - 680839 10kg - 1402022	2kg - 1751940 10kg - 1751941	20kg - 2084171	5kg - 885175 Grey 20kg - 1073830 Green 20kg - 1678823 Blue 20kg - 1678824



Two-part ceramic filled epoxy for

- Cyclone and separator bodies
- Dust collectors and exhausters
- Pump liners and impellers
- Fan blades and housings
- Chutes and hoppers
- Elbows and transition points



Ceramic filled two-part epoxy for

- Dredge pump liners
- Flumes and troughs
- Pump impellers
- Vibrating feeders
- Chutes/hoppers



Solvent free flexible epoxy coating for

- Pipes
- Trenches
- Tanks
- Concrete structure
- Metal structure
- Equipment foundation



Forms glossy, low friction surface that protects equipment against extreme corrosion caused by chemical exposure.



# ANTI-SEIZE LUBRICANTS

- » PROTECT AGAINST RUST, CORROSION, SEIZING AND GALLING
- » PROVIDE LUBRICATION IN EXTREME ENVIRONMENTS

## ▶ WHAT TYPE OF ANTI-SEIZE DO YOU REQUIRE?

Up to 871°C

**LOCTITE® LB 8150 Silver Grade Anti-Seize**

## ▶ HENKEL SOLUTIONS

Color	Silver
Solid Lubricating Agent	Graphite/Aluminum
Torque Coefficient*	0.18
Temperature Range	-30°C to +900°C
Metal-Free	No
Package Size & IDH	500g jar - 833783

\* K value on steel nuts and bolts

### ADDITIONAL PRODUCTS

Name	Max Temp	Features
<b>LOCTITE® LB 8700 Extreme Pressure Resistant Lubricant</b>	399 °C	MOS <sub>2</sub> based thread lubricant
<b>LOCTITE® LB 8012 Low Friction Lubricant</b>	399 °C	Recommended for maximum lubricity at low speeds, high loads, Metal free formulation



Heavy duty, temperature resistant, petroleum based lubricant compound fortified with graphite and metallic flake. Inert and will not evaporate or harden in extreme cold or heat. For use in assemblies up to 871°C. ABS Approved. Tested to Mil-PRF-907E. CFIA Approved. \*\*



**GENERAL PURPOSE**

**METAL-FREE APPLICATION**

**INCIDENTAL FOOD CONTACT**

**WATER RESISTANT**

Up to 982°C

Up to 1315°C

**LOCTITE® LB 8008 C5-A  
Copper Anti-Seize**

**LOCTITE® LB 771  
Nickel Anti-Seize**

No Metal

**LOCTITE® LB 8009  
Heavy Duty Anti-Seize**

No Metal

**LOCTITE® LB 8014  
Food Grade Anti-Seize**

No Metal

**LOCTITE® LB 8023  
Marine Grade  
Anti-Seize**

Copper

Silver

Black

White

Black

Copper/Graphite

Nickel/Graphite

Graphite/Calcium  
Fluoride

White Lubricating Solids

Calcium Sulfonate

0.16

0.13

0.16

0.13

0.18

-29°C to +982°C

-29°C to +1,315°C

-29°C to +1,315°C

-29°C to +399°C

-29°C to +1,315°C

No

No

Yes

Yes

Yes

1 lb - 1751842

1 lb - 1751839

1 lb - 1751851  
2 lb - 1751889

2 lb - 1751942

8 oz - 299175  
16 oz - 1752448



Exclusive formula suspends copper and graphite in a high quality grease. Protects metal parts from rust, corrosion, galling, and seizing at temperatures to 982°C. Tested to Mil-PRF-907E. CFIA Approved. \*\*

Copper-free. Recommended for stainless steel and other metal fittings. For preventing corrosion, seizing, and galling in harsh, chemical environments, and temperatures to 1315°C. ABS Approved. \*\*

Metal free. Excellent lubricity. Provides outstanding lubrication to all metal including stainless steel, aluminum and soft metals up to 1315°C.

Prevents seizure, galling, and friction in stainless steel and other metal parts up to 399°C. NSF H1 rated for incidental food contact. \*\*

Formulated to protect assemblies exposed directly or indirectly to fresh and salt water, this anti-seize works especially well in high humidity conditions. It has excellent lubricity, superior water washout spray resistance, and prevents galvanic corrosion. ABS Approved.\*\*

\*\* All approvals are region specific. Please contact your Henkel Sales Representative for further information.



# CLEANING

» CLEAN AND DEGREASE  
WORK SURFACES, PARTS  
AND HANDS

## ▶ WHAT TYPE OF CLEANER DO YOU REQUIRE?

### GENERAL PURPOSE

#### ▶ HENKEL SOLUTIONS

LOCTITE® SF 7061

KB Values

N.A.

Package Size & IDH

100ml can - 849292



Solvent based (acetone)  
general parts cleaner,  
evaporates very fast,  
removing dirt, resins, lacquer,  
oils and greases from metals.  
Recommended for pre  
assembly cleaning.



**GASKET REMOVING**

**BIODEGRADABLE**

**DEGREASER**

**LOCTITE® SF 790**  
Chisel Gasket Remover

**LOCTITE® SF 7840**  
Natural Blue Biodegradable  
Cleaner & Degreaser

**LOCTITE® SF 7070**  
ODC-Free Cleaner & Degreaser

**LOCTITE® SF 7611**  
Pro Strength Parts Cleaner

Greater than 200

N.A.

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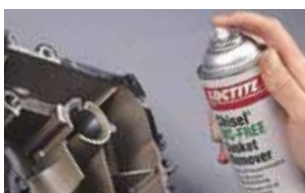
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510g aerosol can - 1751840  
510g bottle - 1409698

5litre bottle - 789065  
20litre bucket - 789705

150g bottle - 1423361  
425g bottle - 1423327

190z aerosol can - 1752427



Removes gaskets from any type of assembly in 10 to 15 minutes. Prepares metal parts for new gaskets, eliminating scrapin and sadin. Works on wood; non-corrosive on aluminum. Not for use with plastics, Linoleum, or synthetic fibers.

Biodegradable, all-purpose, industrial strength, concentrated cleaner and degreaser. Can be economically diluted with water. Formulated for wipe down, pressure spraying, ad immersion cleaing processes at room temperature or heated. Non-flammable and non-toxic. Contains no ODCs.

A non-aqueous, hydrocarbon-based solvent designed for cleaning and degreasing surfaces to be bonded with adhesives, as well as for general purpose industrial cleaning. Safe on aluminum, rubber, and most plastics, and will not cause flash rusting on water-sensitive parts. Dries residue-free. Contains no ozone-depleting compounds (ODCs).

Aggressively penetrates, dissolves, and removes oil and grease from parts. Dries quickly with no residue. Contains no ODCs.



## ADDITIONAL PRODUCTS

- » BELT & RUBBER REPAIR
- » GROUTING & CHOCKING
- » RUST TREATMENT
- » SPECIALTY LUBRICANTS
- » EMERGENCY REPAIR
- » PROTECTIVE COATINGS

### BELT & RUBBER REPAIR

#### LOCTITE® PC 7393 Rapid Rubber Repair Kit

Color - Black

Tensile strength - 9 N/mm<sup>2</sup>

Working time - 1 min.

Functional cure - 2 hrs.

#### LOCTITE® MR Flex 80 Pourable Repair Compound

Black

12.5 N/mm<sup>2</sup>

20 min.

8 hrs.

#### LOCTITE® MR Flex 80 Putty

Black

10 N/mm<sup>2</sup>

10 mins.

8 hrs.

### GROUTING & CHOCKING

#### LOCTITE® PC 9435 Marine Chocking

Maximum temperature - 120°C

Compressive strength - 150 N/mm<sup>2</sup>

Working time - 10 mins.

Full cure - 24 hrs.

#### LOCTITE® PC 9626 Deep Pour Grout

105°C

100 N/mm<sup>2</sup>

30 mins.

24 hrs.

#### LOCTITE® PC 9458 Fast Set Grout

93°C

100 N/mm<sup>2</sup>

10 min.

12 hrs.

### PROTECTIVE COATINGS

#### LOCTITE® PC 9660 Maxicoat

Description - Waxy Film

Color - Brown

Temperature range - Up to 93°C

Cure/Dry time - N.A.

#### LOCTITE® SF F720RD Color Guard

Rubber Coating

Red

Up to 93°C

4 hrs.

#### LOCTITE® SF 7693 Cold Galvanizing Compound

Zinc Spray

Grey

Up to 204°C

15 mins.



### RUSTED / SEIZED FASTENER LOOSENING

**LOCTITE® LB 100  
Maintain**

Description - Temporary rust loosener  
Color - Clear liquid  
Temperature range - NA

**LOCTITE® LB 8711  
Penetrating Oil**

Petroleum based lubricant  
Pale Yellow  
38°C

**LOCTITE® LB 8040  
Freeze and Release**

Mineral oil lubricant  
Amber  
-20°C to +45°C

### EMERGENCY REPAIR

**LOCTITE® 5070  
Pipe Repair Kit**

Description - Epoxy  
Components - Yellow impregnated tape and LOCTITE® EA 3463  
Repair time - 30 mins.

**LOCTITE®  
Transformer Repair Kit**

Epoxy, silicone, cleaner  
LOCTITE® EA 3473, LOCTITE® EA 3463, LOCTITE® 587 Blue Maxx  
NA

**LOCTITE®  
O-Ring Kit**

Cyanoacrylate  
Buna N cord and LOCTITE® 406  
15 sec.

### RUST TREATMENT

**LOCTITE® SF 7625  
Rust Treatment**

Description - Rust Converter  
Color - Matte Black  
Temperature range - Up to 121°C  
Cure/Dry time - 30 mins.

**LOCTITE® SF 7600  
Rust Converter**

Rust Converter  
Grey  
NA  
NA

# LOCTITE® Composite Repair System



## ADD ANOTHER 20 YEARS

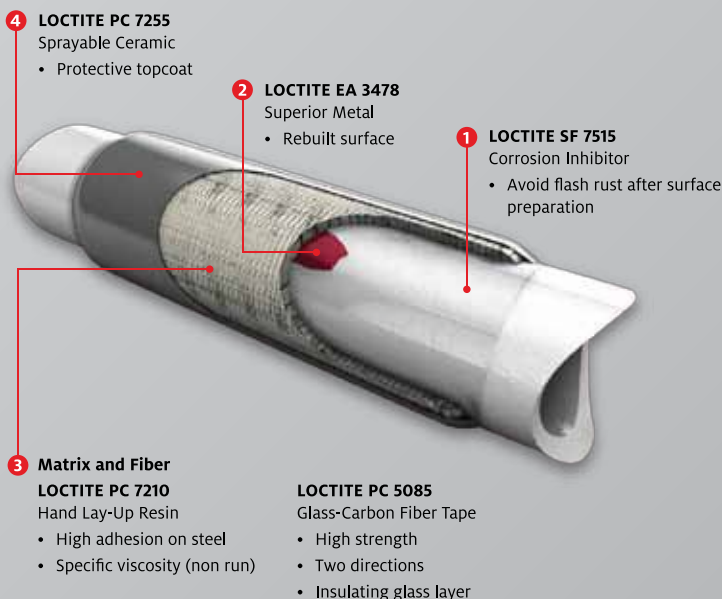
LOCTITE® Composite Repair System is a fast and economical alternative to pipe replacement. The innovative repair system reinforces and seals pipes designed for high pressure, temperature and chemical resistance. It is fully certified by DNV GL according to ISO/TS 24817.

### APPLICATION AREAS

- Repair system for steel pipes, pipelines and tanks
- For inside and outside corrosion
- Equipment subject to chemical attack or mechanical wear
- Complex geometries: bends, tees, reducers and flanges
- Oil & Gas industry, refineries and petrochemical plants, power plants, water utilities etc.

### BENEFITS

- Fast and economical repair solution
- Increase pipe lifetime by up to 20 years
- No need to replace pipes
- In situ repair without interruption of operations
- Tailor-made repair solutions including specific calculations of repair designs
- Certified applicator and installer training program



The all-in-one solution with materials for surface preparation, reinforcement and topcoat consists of :

### LOCTITE® Composite Repair System

- LOCTITE® PC 7255 Sprayable Ceramic
- LOCTITE® EA 3478 Superior Metal
- LOCTITE® PC 7210 Hand Lay-Up Resin
- LOCTITE® PC 5085 Glass-Carbon Fiber Tape
- LOCTITE® SF 7515 Corrosion Inhibitor



# LOCTITE® PC 7000

## High Temperature Abrasion Resistant Coating



### UPTO 2X PROTECTION

LOCTITE® PC 7000 High Temperature Abrasion Resistant Coating is a unique three component, rapid setting silica based composite coating system which offers protection from abrasion up to 1100°C. This is a water based environmentally friendly system. It bonds well to porous substrates like concrete, refractory bricks etc. (Metal surfaces need to be reinforced with metallic mesh before coating application.)

#### APPLICATION AREAS

- Coal burner nozzles
- Baffle plates of coal tip burners
- Refractory brick structure of chimneys

#### BENEFITS

- Upto 2 X protection from high temperature abrasion
- Cost effective: Better life, more efficiency
- Laminar flow of coal - air mixture for optimum efficiency

#### APPLICATION PROCEDURE

- Prepare the application surface by proper surface preparation-(Grid blasting/Grinding). After surface preparation ensure the surface is clean and free from dust, etc.
- Spot weld S.S diamond pattern wire mesh over the work piece as per the application requirement.
- Add part a and b to the container. Mix till uniform consistency and milky white color.
- Add ceramic fillers incrementally to liquid resin while mixing vigorously with air mixer for 2-3 mins until fillers are dispersed evenly. Use the entire qty of part a:part b:filler mix it well to prepare the homogenous mixture. No part mixing is allowed.
- Apply fully mixed material to prepared surface within 30 mins of mixing. Ensure 100% filling in mesh as per the required application thickness.
- Allow coating to cure at room temperature for 24 hrs. After room temperature cure, heat cure @ 350°C for 10 mins.



Burner tip: after wear



Burner tip coated with  
LOCTITE® PC 7000 HTARC: after wear



Burner Tip Wear  
after 1 Year of PC 7000 Application



# PROTECTION THROUGHOUT YOUR FACILITY

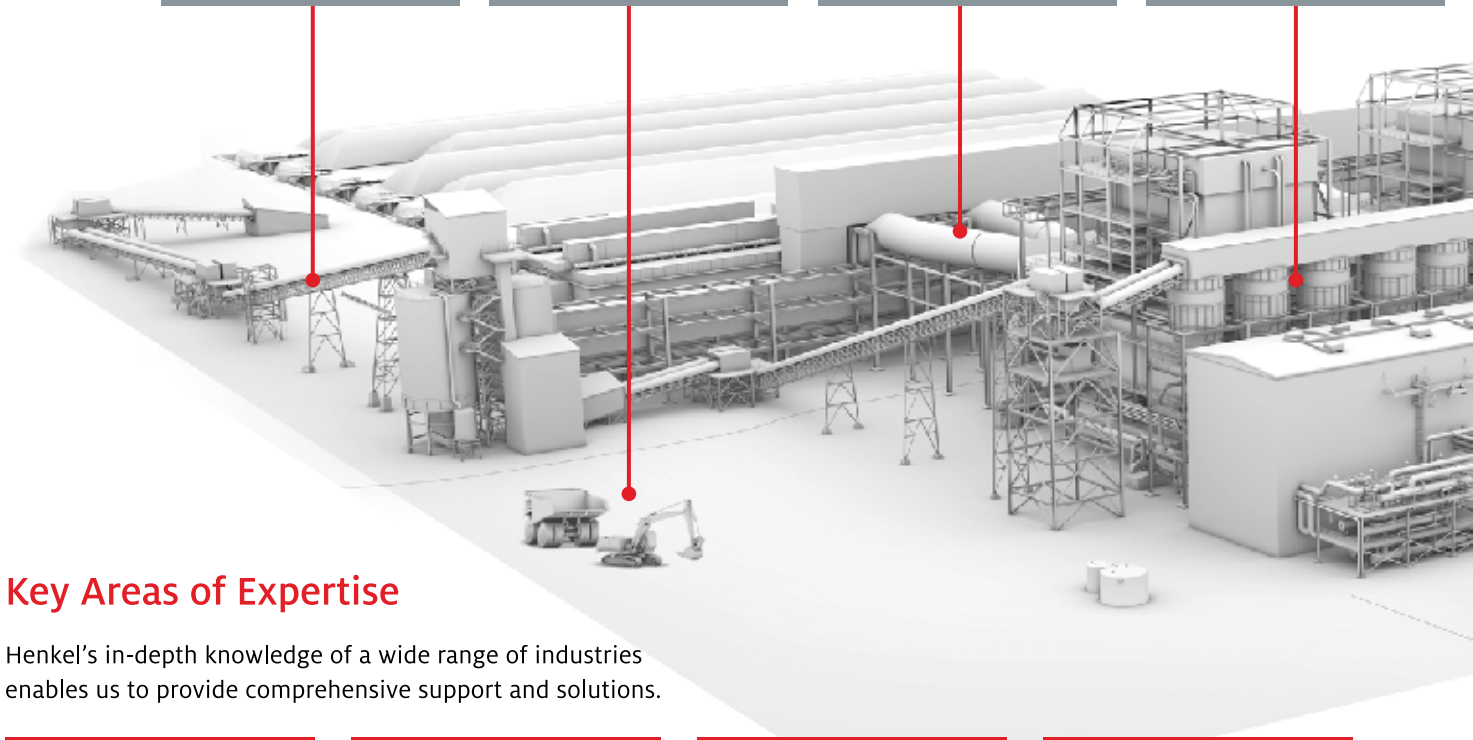
» FOR EVERY INDUSTRY, LOCTITE SOLUTIONS WILL HELP REPAIR, REBUILD AND PROTECT YOUR VALUABLES ASSETS.

RUBBER DAMAGE: LOCTITE  
RAPID RUBBER REPAIR

VIBRATIONAL LOOSENING:  
LOCTITE THREADLOCKERS

ABRASION: LOCTITE  
WEARING COMPOUNDS

CORROSION: LOCTITE WEAR  
RESISTANT COATINGS



## Key Areas of Expertise

Henkel's in-depth knowledge of a wide range of industries enables us to provide comprehensive support and solutions.

**POWER  
GENERATION**



**MINING**



**OIL AND GAS**



**STEEL**



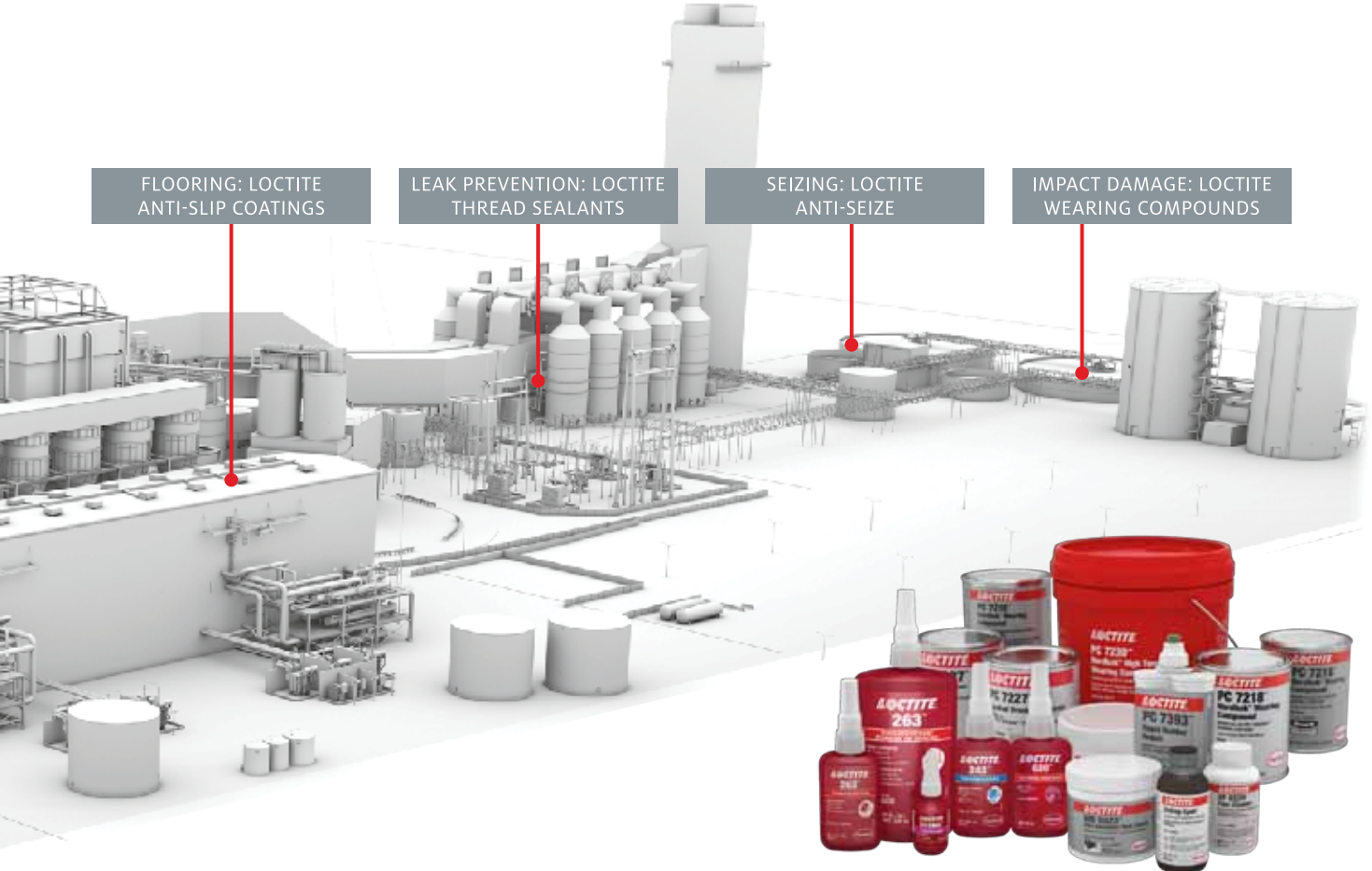


FLOORING: LOCTITE ANTI-SLIP COATINGS

LEAK PREVENTION: LOCTITE THREAD SEALANTS

SEIZING: LOCTITE ANTI-SEIZE

IMPACT DAMAGE: LOCTITE WEARING COMPOUNDS



**CEMENT**



**WATER UTILITIES**



**PULP AND PAPER**







**PETROCHEMICALS**













# SOLUTIONS TO COMMON MAINTENANCE CHALLENGES






» LOCTITE® ENGINEERING ADHESIVES AND SEALANTS ARE DESIGNED TO OFFER YOU MORE RELIABILITY AND COST-SAVINGS OVER CONVENTIONAL MAINTENANCE METHODS.

THREADLOCKING		
Traditional Method	Problem	LOCTITE® Solution
LOCKNUTS 	<ul style="list-style-type: none"> <li>• Double cost.</li> <li>• Requires extra space.</li> <li>• Corrodes in place.</li> <li>• Time consuming to assemble.</li> </ul>	<ul style="list-style-type: none"> <li>• Locks single nut.</li> <li>• Uses standard parts.</li> <li>• Seals against corrosion.</li> <li>• Fast assembly.</li> </ul>
SPRING WASHERS 	<ul style="list-style-type: none"> <li>• Not an effective locking system.</li> <li>• Can damage contact faces.</li> <li>• Large inventory.</li> </ul>	<ul style="list-style-type: none"> <li>• Completely vibration proof.</li> <li>• No damage, No corrosion.</li> <li>• One bottle size for all size threads.</li> </ul>
NYLON INSERTS 	<ul style="list-style-type: none"> <li>• On-torque needed.</li> <li>• Ineffective under severe vibration.</li> <li>• Requires good access.</li> <li>• Should not be re-used.</li> </ul>	<ul style="list-style-type: none"> <li>• Low on-torque.</li> <li>• Effective on adverse conditions.</li> <li>• Easy to apply.</li> <li>• Allows parts to be re-used.</li> </ul>
TAB WASHERS / SPLIT PINS 	<ul style="list-style-type: none"> <li>• Difficult production use.</li> <li>• Expensive.</li> <li>• Special design required.</li> </ul>	<ul style="list-style-type: none"> <li>• Apply manually or automatically.</li> <li>• Uses standard parts.</li> </ul>

THREAD SEALING		
Traditional Method	Problem	LOCTITE® Solution
TAPES 	<ul style="list-style-type: none"> <li>• Shredding clogs pipes.</li> <li>• Manual application only.</li> <li>• Elbow alignment.</li> <li>• Overtightening causes damage.</li> <li>• Poor vibration resistance.</li> </ul>	<ul style="list-style-type: none"> <li>• Unused sealant flushed away.</li> <li>• Automation possible.</li> <li>• Seals/locks in any position.</li> <li>• Vibration proof.</li> </ul>
PASTES 	<ul style="list-style-type: none"> <li>• Creeping/shrinkage.</li> <li>• Poor chemical resistance.</li> <li>• Poor vibration resistance.</li> </ul>	<ul style="list-style-type: none"> <li>• Sealed for life.</li> <li>• Resists most solvents.</li> <li>• Vibration proof.</li> </ul>
'O' RINGS 	<ul style="list-style-type: none"> <li>• Large inventory needed.</li> <li>• Easily damaged.</li> <li>• Special joint design.</li> </ul>	<ul style="list-style-type: none"> <li>• Universal products.</li> <li>• No parts to handle.</li> <li>• Uses standard parts.</li> </ul>
CONE FITTINGS 	<ul style="list-style-type: none"> <li>• Costly machining.</li> <li>• Easily damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Use standard parts.</li> <li>• Use with damaged cone fitting to ensure complete seal.</li> </ul>



GASKETING		
Traditional Method	Problem	LOCTITE® Solution
PRE-FORMED MATERIALS 	<ul style="list-style-type: none"> <li>• Relaxation.</li> <li>• Re-torquing.</li> <li>• Corrosion/fretting.</li> <li>• Manual application.</li> <li>• Large inventory.</li> </ul>	<ul style="list-style-type: none"> <li>• Constant seal / no re-torquing.</li> <li>• Total seal.</li> <li>• Automation possible.</li> </ul>
'O' RINGS 	<ul style="list-style-type: none"> <li>• Manual application.</li> <li>• Extra machining operation.</li> <li>• Large inventory.</li> </ul>	<ul style="list-style-type: none"> <li>• Automation possible.</li> <li>• Standard parts used.</li> <li>• No parts to handle.</li> <li>• Low inventory.</li> </ul>
SEALING COMPOUNDS 	<ul style="list-style-type: none"> <li>• Often solvent based.</li> <li>• Can cause clogging.</li> <li>• Re-torquing.</li> <li>• Messy.</li> </ul>	<ul style="list-style-type: none"> <li>• Solvent-free.</li> <li>• Unused adhesive flushed away.</li> <li>• No relaxation.</li> <li>• Accurate application.</li> </ul>
CUTTING PAPER GASKETS 	<ul style="list-style-type: none"> <li>• Time consuming.</li> <li>• Operator skill.</li> <li>• Inconsistent performance.</li> </ul>	<ul style="list-style-type: none"> <li>• Little preparation.</li> <li>• Easy to apply.</li> <li>• Constant performance.</li> </ul>

RETAINING		
Traditional Method	Problem	LOCTITE® Solution
PRESS FIT 	<ul style="list-style-type: none"> <li>• High stress.</li> <li>• Fretting possible.</li> <li>• Assembly equipment required.</li> </ul>	<ul style="list-style-type: none"> <li>• Load spread over joint.</li> <li>• Can use lighter parts.</li> <li>• Hand assembly possible.</li> <li>• Relaxed tolerances.</li> </ul>
GRUB SCREWS 	<ul style="list-style-type: none"> <li>• Poor metal to metal contact.</li> <li>• Low torque transmission.</li> <li>• Extra machining.</li> </ul>	<ul style="list-style-type: none"> <li>• 100% contact.</li> <li>• Total surface contact creates high torque capability.</li> <li>• Basic machining.</li> </ul>
KEYS 	<ul style="list-style-type: none"> <li>• Prone to backlash and chattering.</li> <li>• Costly to produce.</li> <li>• Accurate machining.</li> </ul>	<ul style="list-style-type: none"> <li>• No movement/fretting eliminated.</li> <li>• One adhesive suits many applications.</li> <li>• Allows relaxed tolerances.</li> </ul>
SPLINES 	<ul style="list-style-type: none"> <li>• Costly machining.</li> <li>• Special design</li> <li>• Prone to wear.</li> </ul>	<ul style="list-style-type: none"> <li>• Basic machining.</li> <li>• Normal parts.</li> <li>• No movement / fretting.</li> </ul>
PINS 	<ul style="list-style-type: none"> <li>• High stress concentration.</li> <li>• Prone to backlash.</li> <li>• Costly machining.</li> </ul>	<ul style="list-style-type: none"> <li>• Distributed stress.</li> <li>• No movement / fretting.</li> <li>• No extra work.</li> </ul>



# PRODUCT ORDERING INFORMATION

Product Name	IDH No.	Pkg. Size	Page	Product Name	IDH No.	Pkg. Size	Page
LOCTITE 222 THREADLOCKER	848062	250 ml bottle	5	LOCTITE PC 9410 MAGNA CRETE	235573	5 gal	15
LOCTITE 222 THREADLOCKER	848063	50 ml bottle	5	LOCTITE PC 9416 FLOOR FILL	680838	5 kg	15
LOCTITE 243 THREADLOCKER	531707	250 ml bottle	5	LOCTITE PC 9416 FLOOR FILL	1400736	20 kg	15
LOCTITE 243 THREADLOCKER	1367282	50 ml bottle	5	LOCTITE PC 7222 WEAR RESISTANT PUTTY	679971	500 g	15
LOCTITE 243 THREADLOCKER	1427418	10 ml bottle	5	LOCTITE MR FLEX 80 PUTTY	1752404	1 lb	16
LOCTITE 243 THREADLOCKER	833788	1 litre bottle	5	LOCTITE PC 7333 BRUSHABLE CERAMIC	680038	1 kg	16
LOCTITE 263 THREADLOCKER	1511183	250 ml bottle	5	LOCTITE PC 7218 WEARING COMPOUND	680839	2 kg	17
LOCTITE 263 THREADLOCKER	1367281	50 ml bottle	5	LOCTITE PC 7218 WEARING COMPOUND	1402022	10 kg	17
LOCTITE 277 THREADLOCKER	531722	250 ml bottle	5	LOCTITE PC 7226 PNEU WEAR	1751940	2 kg	17
LOCTITE 277 THREADLOCKER	531723	50 ml bottle	5	LOCTITE PC 7226 PNEU WEAR	1751941	10 kg	17
LOCTITE 290 THREADLOCKER	848069	250 ml bottle	4	LOCTITE PC 7320 FLEXIBLE STRUCTURAL COATING	2084171	20 kg	17
LOCTITE 290 THREADLOCKER	531724	50 ml bottle	4	LOCTITE PC 7319 CHEMICAL RESISTANT COATING	1678824	20 kg	17
LOCTITE 401 INSTANT ADHESIVE	1669715	20g bottle	12	LOCTITE LB 771 NICKEL ANTI-SEIZE	1751839	1 lb	19
LOCTITE 401 INSTANT ADHESIVE	833784	1litre bottle	12	LOCTITE LB 8008 C5-A COPPER ANTI-SEIZE	1751842	1 lb	19
LOCTITE 406 INSTANT ADHESIVE	1669713	20g bottle	13	LOCTITE LB 8009 HEAVY DUTY ANTI-SEIZE	1751851	1 lb	19
LOCTITE 415 INSTANT ADHESIVE	848003	20g bottle	13	LOCTITE LB 8009 HEAVY DUTY ANTI-SEIZE	1751889	2 lb	19
LOCTITE 415 INSTANT ADHESIVE	849230	500gm bottle	13	LOCTITE LB 8014 FOODGRADE ANTI-SEIZE	1751942	2 lb	19
LOCTITE 454 INSTANT ADHESIVE	1752383	20g bottle	13	LOCTITE LB 8023 MARINE GRADE ANTI-SEIZE	1752448	16 oz	19
LOCTITE 454 INSTANT ADHESIVE	88525	300g cartridge	13	LOCTITE LB 8150 SILVER ANTI-SEIZE	833783	500g jar	18
LOCTITE 495 INSTANT ADHESIVE	1669711	20g bottle	13	LOCTITE SF 7061 SURFACE CLEANER	849292	100ml aerosol can	20
LOCTITE 510 FLANGE SEALANT	910888	300ml cartridge	8	LOCTITE SF 7070 ODC-FREE CLEANER AND DEGREASER	1423361	150g bottle	21
LOCTITE 510 FLANGE SEALANT	848731	250ml tottle tube	8	LOCTITE SF 7070 ODC-FREE CLEANER AND DEGREASER	1423327	425g bottle	21
LOCTITE 510 FLANGE SEALANT	848390	50ml tottle tube	8	LOCTITE SF 7611 PRO STRENGTH PARTS CLEANER	1752427	19 oz aerosol can	21
LOCTITE 518 FLANGE SEALANT	2118117	250ml tottle tube	8	LOCTITE SF 7840 NATURAL BLUE	789705	20litre bucket	21
LOCTITE 518 FLANGE SEALANT	2118119	50ml tottle tube	8	LOCTITE SF 7840 NATURAL BLUE	789065	5litre bottle	21
LOCTITE 542 THREAD SEALANT	848736	250 ml bottle	7	LOCTITE SF 790 CHISEL GASKET REMOVER	1751840	510g aerosol can	21
LOCTITE 542 THREAD SEALANT	848735	50 ml bottle	7	LOCTITE SF 790 CHISEL GASKET REMOVER	1409698	510g bottle	21
LOCTITE 55 PIPE SEALING CORD	1752446	150 metres	6	LOCTITE SI 587 BLUE	1266356	95g tube	9
LOCTITE 565 THREAD SEALANT	1752552	250 ml bottle	7	LOCTITE SI 587	1246389	300ml cartridge	9
LOCTITE 565 THREAD SEALANT	1751917	50 ml bottle	7	LOCTITE SI 5900	1257126	300ml cartridge	9
LOCTITE 567 THREAD SEALANT	1752545	250 ml bottle	7	LOCTITE SI 596 HIGH TEMP RED SILICONE	317667	300ml cartridge	9
LOCTITE 567 THREAD SEALANT	1752537	50 ml bottle	7	LOCTITE PC 7393 RAPID RUBBER	1752457	400ml	22
LOCTITE 574 FLANGE SEALANT	848734	250ml tottle tube	9	LOCTITE MR 5000 RAPID RUBBER REPAIR KIT	1752458	400ml	22
LOCTITE 574 FLANGE SEALANT	848739	50ml tottle tube	9	LOCTITE MR FLEX 80 PUTTY	1752404	1 lb	22
LOCTITE 577 THREAD SEALANT	2121367	250 ml tottle tube	7	LOCTITE PC 9435 MARINE CHOCKING	1422843	3.4kg	22
LOCTITE 577 THREAD SEALANT	2121780	50 ml tottle tube	7	LOCTITE PC 9626 DEEP POUR GROUT	1752439	50 lb	22
LOCTITE 609 RETAINER	848745	250ml bottle	11	LOCTITE PC 9458 FAST SET GROUT	1751943	2 gal	22
LOCTITE 609 RETAINER	848744	50ml bottle	11	LOCTITE SF 7625 RUST TREATMENT	1751843	1 gal	22
LOCTITE 638 RETAINER	1865048	250ml bottle	11	LOCTITE LB 100 MAINTAIN	627004	312g aerosol can	22
LOCTITE 638 RETAINER	1865160	50ml bottle	11	LOCTITE SF 7600 RUST CONVERTER	1649154	1 litre	22
LOCTITE 641 RETAINER	848750	250ml bottle	11	LOCTITE SF 7600 RUST CONVERTER	1649155	4 litre	22
LOCTITE 641 RETAINER	848752	50ml bottle	11	LOCTITE LB 8711 PENETRATING OIL	1751845	16 oz aerosol can	23
LOCTITE 648 RETAINER	1865164	250ml bottle	11	LOCTITE LB 8017 MOLY DRY FILM	1751859	12 oz	23
LOCTITE 648 RETAINER	1865163	50ml bottle	11	LOCTITE LB 8040 FREEZE AND RELEASE	1752559	310ml	23
LOCTITE 660 RETAINER	1752417	50ml bottle	10	LOCTITE 5070 PIPE REPAIR KIT	1752402	2 x 6	23
LOCTITE EA 3463 METAL MAGIC STEEL STICK	1752399	4 oz	14	LOCTITE TRANSFORMER REPAIR KIT	1035886	NA	23
LOCTITE EA 3478 SUPERIOR METAL	680035	1 kg	14	LOCTITE O-RING KIT	1754762	mm size	23
LOCTITE EA 3471 STEEL PUTTY	1752406	1 lb	14	LOCTITE O-RING KIT	1754763	inch size	23
LOCTITE EA 3471 STEEL PUTTY	1752434	1 lb	14	LOCTITE PC 9660 MAXICOAT	1751848	1 gal	23
LOCTITE PC 3473 FAST STEEL PUTTY	680036	500 g can	15	LOCTITE SF F720RD COLOR GUARD	1751913	1 gal	23
LOCTITE EA 3479 METAL SET HTA	1752395	500 g	15	LOCTITE SF 7693 COLD GALVANIZING COMPOUND	1751854	15 oz aerosol can	23



# PROPERTIES CHART

Page	Product	Size	Coverage @ 6mm thickness	Colour	Dry Service Temperature Range	Compressive Strength N/mm <sup>2</sup>	Elongation %	Shear Strength N/mm <sup>2</sup> , 0.3mm gap and etch aluminium	Tensile Strength N/mm <sup>2</sup>	Hardness Shore D	Working Time Minutes @ +25°C	Cure Time Hours @ 25°C	Mix Ratio by Volume (RH)	Mix Ratio by weight (RH)
14	LOCTITE® EA 3478 Superior Metal	1 kg kit	232cm <sup>2</sup>	Dark Grey	-30°C to +120°C	125 N/mm <sup>2</sup>	-	17 N/mm <sup>2</sup>	38 N/mm <sup>2</sup>	90	20	6	4:1	7.25:1
14	LOCTITE® EA 3471 Steel Putty	1 lb kit	278cm <sup>2</sup>	Grey	-30°C to +105°C	61.7 N/mm <sup>2</sup>	-	9.6 N/mm <sup>2</sup>	27.8 N/mm <sup>2</sup>	82	30	6	2.5:1	6.25:1
15	LOCTITE® PC 3473 Fast Steel Putty	500 g kit	370cm <sup>2</sup>	Grey	-30°C to +95°C	51 N/mm <sup>2</sup>	-	15 N/mm <sup>2</sup>	27 N/mm <sup>2</sup>	80	3	10 min	1:1	100:56.5
15	LOCTITE® PC 7222 Wear Resistant Putty	500 g kit	380cm <sup>2</sup>	Grey	-30°C to +105°C	72 N/mm <sup>2</sup>	-	16.8 N/mm <sup>2</sup>	21 N/mm <sup>2</sup>	85	30	6	2:1	2:1
22	LOCTITE® PC 7393 Rapid Rubber Repair	400 ml dual cartridge	-	Black	-29°C to +82.2°C	-	-	3.7 N/mm <sup>2</sup>	-	**86	1	2	1:1	-
22	LOCTITE® MR Flex 80 Putty	1 lb kit	604cm <sup>2</sup>	Black	-29°C to +82.2°C	-	350	3.3 N/mm <sup>2</sup>	-	**88	10	8	2.5:1	2.6:1
22	LOCTITE® MR Flex 80 Pourable Repair Compound	1 lb kit	442cm <sup>2</sup>	Black	-30°C to +80°C	-	237	3.6 N/mm <sup>2</sup>	7.5 N/mm <sup>2</sup>	**87	20	8	100:13.3	77:23
14	LOCTITE® EA 3463 Metal Magic Steel™ Stick	113 g stick	45cm <sup>2</sup>	Grey	-30°C to +120°C	83 N/mm <sup>2</sup>	-	≥ 3.45 N/mm <sup>2</sup>	17.2 N/mm <sup>2</sup>	>70	2.5-5	10 min	-	-
15	LOCTITE® PC 9410 Magna Crete	5 gal kit	52m <sup>2</sup>	Grey	-50°C to +1,100°C	90 N/mm <sup>2</sup>	-	-	-	-	5-20	1-2	Refer to TDS	Refer to TDS
15	LOCTITE® PC 9416 Floor Fill	20 kg kit	-	Grey	-30°C to +110°C	90 N/mm <sup>2</sup>	-	-	-	-	40	24	16:3, 2:80, 8	4.6:1:9.8
17	LOCTITE® PC 7218 Wearing Compound	2 kg kit	1480cm <sup>2</sup>	Grey	-30°C to +120°C	110.3 N/mm <sup>2</sup>	-	-	-	90	30	7	2:1	2:1
16	LOCTITE® PC 235597 Ultra High Temperature Pneu Wear	25 lb kit	0.8m <sup>2</sup>	Red	-29°C to +288°C	-	-	34.5 N/mm <sup>2</sup>	-	90	30	2 hrs @ 145°C	2:1	2.27:1
16	LOCTITE® PC 7333 Brushable Ceramic	1 kg kit	*1.1m <sup>2</sup>	Dark Grey	-29°C to +120°C	70 N/mm <sup>2</sup>	-	21 N/mm <sup>2</sup>	30 N/mm <sup>2</sup>	85	30	6	2.75:1	4.8:1
16	LOCTITE® PC 7234 High Temperature Brushable Ceramic	2 lb kit	*1.1m <sup>2</sup>	Red	-29°C to +288°C	102 N/mm <sup>2</sup>	-	16.7 N/mm <sup>2</sup>	37 N/mm <sup>2</sup>	88	120	8 hrs +3 hrs @ 150°C	2.6:1	4.25:1
17	LOCTITE® PC 7319 Chemical Resistant Coating	20 kg kit	*6.8m <sup>2</sup>	Grey	-30°C to +120°C	68 N/mm <sup>2</sup>	-	18.2 N/mm <sup>2</sup>	33 N/mm <sup>2</sup>	85	30	16	2.3:1	3.4:1

\*0.5mm thick layer  
\*\*Shore A

**LOCTITE®**  
**BONDERITE®**  
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**TEROSON®**  
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