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## Adhesives and Sealants

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# DID YOU KNOW WE ALSO MAKE ADHESIVES AND SEALANTS?



## Parker Adhesives & Sealants

Screws to lock, bearings to fix, leaks to eliminate, joints to seal?

Parker adhesives and sealants are highly effective for different kinds of material and for a wide range of temperatures.

They are also resistant to vibration, impact, solvents and chemicals. They are ready to use and easy to apply with their own pen type.

For more information or to locate your nearest ParkerStore, visit [www.parkerstore.com](http://www.parkerstore.com).



Apex Fluid Power Ltd.

Phone: 01228 511157

[www.apexfluid.co.uk](http://www.apexfluid.co.uk)

**Description:**

- Parker anaerobic threadlocker adhesives are clean, easy to use and very economical. Handling strength is reached within a few minutes and total cure within a few hours at room temperature.

**Benefits:**

- Prevent loosening of screws, nuts threaded parts and stud bolts.
- Prevent seizing and corrosion of threads.
- The adhesives cure in the gap after contact with metal in the absence of air.
- The connection is locked and sealed: no fretting corrosion.

**TL22 - Anaerobic threadlocker adhesive**



140 Parker DirectLok

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
TL22E50B12	medium	low	0.20	-60 / +150	50

**Application:**

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

**TL55 - Anaerobic threadlocker adhesive**



140 Parker DirectLok

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
TL55E50B12	high	medium	0.25	-60 / +150	50

**Application:**

- Universal type for medium strength applications.
- Connected parts can be disassembled with hand tools for servicing.
- Prevents loosening on vibrating parts, e.g. pumps, presses or gear boxes.
- Tolerates light oil deposit of industrial oils.



**Please note**

Adhesives and Sealants presented in this catalogue may not be available in all countries and are subject to country laws and regulations.

Please contact your ParkerStore.

**TL60 - Anaerobic threadlocker adhesive (for passive materials)**



140 Partner DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
<b>TL60E50B12</b>	medium	high	0.15	-60 / +180	50

**Application:**

- For passive materials like stainless steel, aluminium, without activator.
- Ideal for permanently locking of studs on pump housings and engine blocks.
- For applications without regular removal for maintenance.

**TL86 - Anaerobic threadlocker adhesive**



140 Partner DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
<b>TL86E50B12</b>	medium	high	0.15	-60 / +150	50

**Application:**

- For high strength applications.
- For applications without regular removal for maintenance.
- Tolerate light oil deposit of industrial oils.

- |                      |   |
|----------------------|---|
| <b>Description:</b>  | <ul style="list-style-type: none"> <li>Parker anaerobic retaining compounds are clean, easy to use and very economical. Handling strength is reached within a few minutes and total cure within a few hours at room temperature.</li> </ul> |
| <b>Applications:</b> | <ul style="list-style-type: none"> <li>For fixing of assembly parts like bearings, bushes and other cylindrical parts on shafts and housings.</li> </ul>  |
| <b>Benefits:</b>     | <ul style="list-style-type: none"> <li>Prevent seizing and corrosion of assembled parts.</li> <li>Enable increased power transmissions.</li> <li>Repair of worn out assembly parts.</li> </ul>  |

### RC30 - Anaerobic retainer adhesive



140 Parker DirectLuk

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
RC30E50B12	high	high	0.20	-60 / +180	50

- Application:**
- For passive materials like stainless steel, aluminium, without activator.
  - High temperature resistance.

### RC60 - Anaerobic retainer adhesive



140 Parker DirectLuk

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
RC60E50B12	very high	high	0.50	-60 / +150	50

- Application:**
- Ideal for repairing worn cylindrical parts without postprocessing.
  - Allows re-use of worn bearing seats, keys and splines.
  - Suitable for clearance compensation.
  - Gap-bridging up to 0.5 mm.

### RC81 - Anaerobic retainer adhesive



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
RC81E50B12	low	high	0.10	-60 / +150	50

- Application:**
- For cylindrical fitting parts that can not be thoroughly degreased.
  - Ideal for cylindrical parts with thin gaps.
  - Particularly suitable for bearing retainer.
  - Tolerate light oil deposit of industrial oils.

**RC83 - Anaerobic retainer adhesive**



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
<b>RC83E50B12</b>	medium	high	0.20	-60 / +150	50

**Application:**

- High resistance to dynamic, axial, and radial loads.
- Ideal for parts that are used in gears, pulleys or similar applications.
- Universal type for virtual all areas.

**RC84 - Anaerobic retainer adhesive**



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
<b>RC84E50B12</b>	medium	high	0.15	-60 / +175	50

**Application:**

- Ideal for retaining of parts with a clearance or interference fit, e.g. bushes, bearings and shafts.
- High temperature resistance.

**Description:** • Parker anaerobic gasketing compounds are clean, easy to use and very economical. Handling strength is reached within a few minutes and total cure within a few hours at room temperature.

**Applications:** • For sealing of hydraulic and pneumatic couplings, compressed air and coolant lines, flanges, housings, caps.

**Benefits:**

- Prevent leakage of fluid and gaseous substances.
- Prevent seizing and corrosion of sealed parts.
- Prevent settling of the gasket.
- Prevent blocking and pollution of valves and plugs (which may occur by using Teflon tape or hemp).

### GT21 - Anaerobic hydraulic and pneumatic gasketing compound



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
GT21E50B12	medium	medium	0.15	-60 / +150	50
GT21E200B8	medium	medium	0.15	-60 / +150	50

**Application:**  
 - Ideal for fine threaded joints in hydraulic and pneumatic systems.  
 - Suitable for small threaded connections.

### GG25 - Anaerobic gasketing compound for flanges



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
GG25E50B12	very high	low	0.30	-60 / +150	50
GG25E200B8	very high	low	0.30	-60 / +150	200

**Application:**  
 - Ideal for sealing of large, rigid flanges.  
 - For flanges, the assembly may take several hours.

## GG72 - Anaerobic gasketing compound for pipes and flanges (PTFE)



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
GG72E50B12	very high	medium	0.40	-60 / +150	50
GG72E200B8	very high	medium	0.40	-60 / +150	200

**Application:**

- Ideal if curing should be slow so that readjustment of the parts is possible.
- Suitable for coarse metal threads.
- Instant sealing against pressures up to 6 bar.
- DVGW and KTW approval.

## GG77 - Anaerobic gasketing compound for threaded pipes and fittings



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
GG77E50B12	very high	medium	0.50	-60 / +150	50
GG77E200B8	very high	medium	0.50	-60 / +150	200

**Application:**

- Especially for fast processing at low temperatures, such as maintenance work in the outdoors.
- for medium strength applications.
- BAM approval for gaseous oxygen.



**Description:**

- Parker instant adhesives base on cyanoacrylate technology. They are highly resistant to disassembly, withstand temperatures from -50 to +135 °C and are resistant to many chemical influences.

**Applications:**

- For bonding various materials with and among each other within seconds.

**Benefits:**

- Fast connections.
- Enable increased strengths.
- Bonded parts can be processed immediately.
- Enable simple and quick constructions.

### IA01 - Cyanoacrylate adhesive



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
IA01E12B30	low	high	0.10	-50 / +80	12
IA01E30B20	low	high	0.10	-50 / +80	30
IA01E60B12	low	high	0.10	-50 / +80	60

**Application:**

- Specially suitable for EPDM, solid rubber, foamed rubber and plastics.
- Very fast curing.

### IA04 - Cyanoacrylate adhesive



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
IA04E12B30	medium	high	0.15	-50 / +80	12
IA04E30B20	medium	high	0.15	-50 / +80	30
IA04E60B12	medium	high	0.15	-50 / +80	60

**Application:**

- For metals, plastics and rubber.
- Fast curing.

**IA15 - Cyanoacrylate adhesive**



**140** Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
IA15E30B20	high	high	0.20	-50 / +80	30
IA15E60B12	high	high	0.20	-50 / +80	60

**Application:**

- For porous, smooth or absorbent surfaces, e.g. ceramics, cork, wood, leather.
- For bigger gaps up to 0.2 mm.
- Slow curing.

**IA25 - Cyanoacrylate adhesive**



**140** Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
IA25E30B20	high	high	0.20	-50 / +135	30

**Application:**

- For applications where impact resistance is required or impact or peeling load could occur.
- High temperature resistance.
- Residual elasticity after curing.
- Not sensitive to longer-term humidity.
- Slow curing.

**Description:**

- Parker epoxy adhesives are cold-curing, solvent-free 2-component systems providing strong adhesion. They enable material bonds with high tensile strength and impact resistance, which makes them ideally suited for assembly, repair and manufacturing uses.

**Applications:**

- For bonding of different materials such as metals, wood, hard plastics and glass.

**Benefits:**

- Permanently fixed bonding.

**SAOFE - Repair Stick Steel**



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
SAOFE57B24	very high	high	-	-50 / +120	57
SAOFE115B12	very high	high	-	-50 / +120	115

**Application:**

- Easy handling: cut – knead - process.
- The cured material can be machined (e.g. drilling, filing, milling) and painted / varnished without pre-treatment.
- Wide temperature range (-50°C to +120°C).
- Resistant to oil, salt, alcohol, ester, and most alkaline solutions and diluted acids.

**SA01 - Epoxy Minute Adhesive**



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Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
SA01E24B12	high	high	2	-50 / +80	24

**Application:**

- Ideally suited for design and assembly jobs.
- Residual-elastic-curing.
- Self-levelling.
- Transparent.

**SA05 - Fast-Metal Minute Adhesive**



140 Parker DirectLink

Part number	Viscosity	Breakaway torque	Gap fill mm	Temperature resistance °C	Volume ml
SA05E24B12	very high	high	4	-50 / +145	24

**Application:**

- Fills cracks, voids, gaps, and irregular surfaces – not only on vertical surfaces.
- Can be machined after curing, e.g. drilling, grinding, and filing.
- Ideally suited for repairs that require bridging of larger tolerances.
- Charcoal-grey.

Description:

- Parker Technical Sprays and Liquids are available for the following areas of application:
  - Cleaning and degreasing.
  - Lubricating and multifunctional oils.
  - Care and protection.
  - Surface and corrosion protection.
  - Dissolving and separating.
  - Inspection aids and other agents.
  - Assembly sprays.

**ST02 - Activator (for anaerobically curing adhesives and sealants)**



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Part number	Volume ml
ST02E200B12	200

Application:

- Surface treatment / primer for use with the anaerobically curing adhesives and sealants (TL-, RC-, GT-, and GG-series).
- Speeds up the cure time, and ensures stronger bonds on larger gaps.
- Must be used in cold weather or on passive surfaces to activate the curing process.

**CP01 - Cleaner Spray**



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Part number	Volume ml
CP01E500B12	500

Application:

- Cleaner spray CP01 cleans and degreases metals, glass, ceramics and many plastics, e.g. thermoplastics like PVC, acrylic glass, polystyrene and simple lacquer coats can be etched.
- Airs off quickly without leaving residues.
- Prior the use of Parker adhesives and sealants as oily/greasy surfaces impair their effectiveness.
- Cleaning and degreasing prior grounding and coating.
- Cleaning of machine components

**CP02 - Plastic Cleaner (for sensitive plastics)**



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Part number	Volume ml
CP02E500B12	500

Application:

- Ideal for cleaning and degreasing of sensitive surfaces.
- Suitable for surface treatment when bonding sensitive plastics, elastomers or painted/coated surfaces.
- Dries quickly without leaving residues.

## LT01 - PTFE Multifunctional Spray



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Part number	Temperature resistance °C	Volume ml
LT01E400B12	-50 / +210	400

**Application:**

- Due to its special formulation, the high PTFE content resultant an extremely low friction coefficient, the product combines lubrication, corrosion protection, cleaning, water repelling and preservation functions in a single product.
- Displaces moisture from electrical lines.
- Eliminates squeaking and creaking noises.
- Protects all tools.
- Silicone-free and resistant to all weather influences.

## LS01 - Silicone Spray



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Part number	Temperature resistance °C	Volume ml
LS01E400B12	-50 / +250	400

**Application:**

- Silicone Spray is an ideal release agent for efficient production and maintenance activities.
- Prevents accumulation of adhesive residues on presses and guiding elements.
- Protects electrical contacts from moisture.
- Keeps rubber, plastics and metal parts in good condition.
- Protects rubber parts from embrittling, freezing and sticking.

## TS01 - Leak Detection Spray



140 Parker DirectLink

Part number	Temperature resistance °C	Volume ml
TS01E400B12	-0 / +50	400

**Application:**

- TS01 serves to quickly, easily and reliably detect leaks (cracks or porous places) on pressurised lines.
- For compressed air, natural or liquid gas applications.
- For possible leaks on fittings, valves, threaded connections and couplings.
- Does not form any hazardous compounds with carbon dioxide, propane, butane, acetylene, oxygen or natural gas.

**TS90 - Hand Protective Foam**



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Part number	Volume ml
TS90E200B12	200

**Application:**

- The hand protective foam forms a greaseless, invisible and water-resistant film that prevents various kinds of dirt from penetrating the skin and pores. This "invisible glove" protects against hazardous substances and irritants from aggressive chemicals.
- Can be easily washed off with warm water.
- Grease-free.
- Skin care effect due to liposomes.
- Dermatologically tested.

**AS40 - Anti-Seize Assembly Spray**



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Part number	Temperature resistance °C	Volume ml
AS40E400B12	-180 / +1.200	400

**Application:**

- The Anti-Seize Assembly Spray protects against corrosion, seizing and wear. It consists of selected, finely ground solid lubricants and a high-grade synthetic oil mixture.
- Suitable for high temperatures (up to 1,200 °C).
- Suitable for high pressures and aggressive media.
- Protection against electrolytic reactions between metals ("cold welding").

Description:

- Parker's hose assembly lubricant is pressure and temperature resistant. Simply dip the hose ends into Parker Hose oil and slightly lubricate the tooling prior to crimping.
- 1-litre container.

Hose Assembly Lubricant



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Part number

HOZE-OIL

Description:

- Water-oil emulsion for easier assembly of Parker Push-Lok® fittings. This product is very useful in combination with 837BM hose (labs-free).
- Push-Lok® assembly oil is also free from wetting disturbing substances, like substances such as e.g. silicone (Labs-free).
- 1-litre bottle.

Push-Lok® Assembly oil



61 Parker Direct Link

Part number

H896137



Description:

- Lubricant or grease is used with all types of O-Ring seals in order to ease assembly, increase life and reduce friction.
- Parker O-Lube® is a mineral oil-based lubricant containing barium soap, whilst Super O-Lube® is silicone-based.

Applications:

- Application recommendation must be followed to select and use a lubricant.

**O-Lube® - Saponified barium mineral oil-based lubricant**



Part number	Weight
30001000001	110 g
30001000002	16 kg

**Super O-Lube® - Silicone-based lubricant**



Part number	Weight
31001100001	55 g
31001100002	3.6 kg
31001100003	18 kg

**Niromont lubricant for fitting assembly**

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Part number	Type
EONIROMONTPASTX	NIROMONT Assembly lubricant paste (130 g)
EONIROMONTFLUESSX	NIROMONT Assembly lubricant liquid (250 cc)

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Description:

- The great O-Ring hunt draws to an end - with an O-Ring Kit from Parker.
- Ideal for repair, fitting and assembly workshops. Available in various versions.

**O-Ring kits**



Part number	Kit	Details	Quantity	Compound
360402N0674	N°2	37 size of 2-xxx series	492	NBR 70 ShA
360402N0552	N°2	37 size of 2-xxx series	492	NBR 90 ShA
360402V0747	N°2	37 size of 2-xxx series	492	FKM 75 ShA
370404N0674	N°4	30 size of metric series	382	NBR 70 ShA
370405N0674	N°5	30 size of metric series	396	NBR 70 ShA
370406N0674	N°6	32 size of 2-xxx series	407	NBR 70 ShA
370407N0674	N°7	32 size of metric series	408	NBR 70 ShA
370408N0552	N°8	20 size for MS 33656	212	NBR 90 ShA

Description:

- The measuring cone can be used for quick and accurate identification of 2-xxx O-Ring up to 75 mm diameter.
- The reference diameter of the cross section is easily noted using a calibrated slot in the cone base.
- The measuring belt is suitable for O-Ring diameters of up to 200 mm.

**Sizing cone and measuring belt**



Part number
55000100000

Description:

- These tools make O-Ring assembly and removal much easier and avoid damage.
- The two piece kit comes complete in a plastic wallet.

**Tooling**



Part number	Material
55000200000	Metal
55000200001	Plastic