



# Product Catalogue

AUTOMOTIVE / INDUSTRIAL / FLEET / MARINE / MOTORCYCLE

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## Gasket Makers

Changing engine designs have meant new and different gasketing requirements. Extended warranties, engine sensors and new component materials such as aluminium, bi-metal alloys and high-tech plastics, have created the need for superior RTV silicone gasket makers in both OEM production and service applications.


Permatex® gasket makers offer significant performance advantages, even in today's complex vehicles. These include outstanding oil resistance, excellent torque retention and hi-temp, sensor-safe properties. Permatex always has the right gasket maker for your application.



## Gasket Sealants

As new engine designs require more advanced gasket makers, today's under hood requirements create a need for superior sealant technologies. When a chemical gasket is not an option, Permatex offers a wide range of gasket sealants suitable for applications on any model year or performance calibre.

## Gasket Makers

 <b>Permatex</b>  <b>Gasketing Product Recommendations</b>	<b>AUSTRALIAN &amp; NORTH AMERICAN AUTOMOBILES</b> General Motors, Ford, Chrysler			<b>IMPORT AUTOMOBILES</b> Acura, Audi, BMW, Daewoo, Fiat, Honda, Hyundai, Isuzu, Jaguar, Land Rover, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Opel, Rover, Saab, Subaru, Suzuki, Toyota, Volvo, Volkswagen	
	Ultra Black®	Ultra Blue®	Ultra Copper®	Ultra Grey®	Ultra Copper®
<b>GASKETING APPLICATIONS</b>	<b>STANDARD PERFORMANCE</b>			<b>HIGH PERFORMANCE</b>	
Rear Main Bearing Cap Split Line	•	•	•	•	—
Damper Keyway Sealing	•	•	•	•	—
Differential Cover	•	•	•	•	—
Intake End Seals	•	•	—	•	—
OHC Cap	•	•	•	•	—
Oil Pan Corner Seals	•	•	•	•	—
Oil Pan Gasket	•	•	•	•	—
Side Cover Plate	•	•	•	•	—
Thermostat Housing	•	•	•	•	—
Timing Cover	•	•	•	•	—
Transmission Pan	•	•	•	•	—
Valve Cover Gasket	•	•	•	•	—
Vibration Damper	•	•	•	•	—
Water Pump Cover Gasket	—	—	•	•	—
<b>GASKET DRESSING / ADHESIVE APPLICATIONS</b>					
Exhaust Manifold	—	—	•	—	—
Intake Manifolds	•	•	•	•	•

<b>SEALANT FEATURES</b>	Permatex® Form-A-Gasket® No. 1	Permatex® Form-A-Gasket® No. 2	Permatex® Aviation Form-A-Gasket®	Permatex® Tack & Seal™	Permatex® Super High Tack	Permatex® Copper Spray-A-Gasket®	Permatex® Ultra Rubber Gasket Sealant & Dressing
Non-Hardening Formula	—	•	•	•	•	—	•
Hardening Formula	•	—	—	—	—	—	—
Thread Sealant	•	•	•	•	—	—	•
For Gasket Positioning	—	—	—	•	•	•	•
Gasket Sealant	•	•	•	•	—	•	•
High Pressure Resistance	•	•	•	•	•	—	•
Sensor-Safe	•	•	•	•	•	•	•

# Gasket Makers — The Right Stuff® 1 Minute Gasket™



## Got a Minute?

### Make Instant Gaskets to Fit Any Application...

Put vehicles back into service in just one minute with the Right Stuff® 1 Minute Gasket™!

These long-lasting, elastomeric formed-in-place rubber gasket makers are more reliable and longer lasting than cut gaskets, and at a fraction of the cost.

They fit many different applications quickly and easily by allowing you to custom fit gaskets to any shape or size.

- Leak & seepage resistant – protects against leaks caused by vibration & thermal expansion.
- Superior to most OE gaskets and fleet-tested to be leak-free in more than 5 million miles of heavy commercial use.

Now packaged in handy-sized Power Cans, each contains enough material to completely replace two or three large cut gaskets!

### Permatex® The Right Stuff® 1 Minute Gasket™ BLACK

The self-merchandising proprietary clamshell can stand on it's own, be hung or binned.

Item #	Container Size	Pack
PX25229	85g Power Can, carded	6

### Permatex® The Right Stuff® 1 Minute Gasket™ GREY

The self-merchandising proprietary clamshell can stand on it's own, be hung or binned.

Item #	Container Size	Pack
PX25238	85g Power Can, carded	6



Item # PX25229



Item # PX25238

## Gasket Makers — The Right Stuff®



### Permatex® The Right Stuff® BLACK Gasket Maker

Make leak-proof gaskets and return equipment to service immediately! The Right Stuff is our most advanced gasket maker. It eliminates the need to wait for the gasket maker to cure – just reassemble and go!

The elastomeric “formed-in-place” material is more reliable and longer lasting than pre-cut gaskets. It is blowout resistant and protects against leaks and seepage caused by vibration and thermal expansion.

Formulated to meet or exceed performance standards for long-term sealability, durability and handling. Temperature range -59°C to 232°C continuous, 260°C intermittent; resists ATF, coolant and oil. Sensor-safe.

**Suggested Applications:** Automotive, heavy duty, and marine gaskets, valve covers, gearbox covers, pumps, oil pans, thermostat housings, water pumps.

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX25224	193g Power Can	6
PX29208	147mL cartridge	6
PX33694	300mL cartridge	6
PX85224	212g PowerBead™ pressurized can	6

### Performance Scorecard

Parameter	Cut Gaskets	The Right Stuff®
Reliability, Durability	Fair	Excellent
ATF/Oil /Coolant /Temp. Resistance	Poor	Excellent
Seals Consistently	Fair	Yes
Sensor Safe	Yes	Excellent
Ability to seal scored surfaces	Poor	Excellent
Ability to tighten/ re-tighten bolts without concern of over-tightening	Poor	Good
Available in every possible shape	No	Yes

### Permatex® The Right Stuff® GREY Gasket Maker

Specifically designed to perform under higher torque loads associated with engines having closely spaced bolt patterns (typically import vehicles). This product is blowout resistant, allowing leakproof gaskets to be made and put into service in just one minute.

Sensor-safe, The Right Stuff® GREY seals instantly, forming a reliable, long lasting elastomeric rubber gasket that outperforms precut gaskets. This material is resistant to powertrain fluids (oil, coolant, and ATF) and operates in environments to 232°C continuous; 260°C intermittent.

**Suggested Applications:** Automotive gaskets, valve covers, oil pans, transmission pans, thermostat housings, water pumps.

Item #	Container Size	Pack
PX85144	212g PowerBead™ pressurised can	6

## PowerBead™ Dispensing System



### Gasket Makers & Sealants Made Easier

Our patented PowerBead™ Dispenser makes it easier to apply consistent, uninterrupted beads of Permatex® Gasket Makers and Sealants.

- Makes application quick and easy
- Extended, rigid nozzle gives pinpoint control
- Vertically-actuated valve design allows all material to be dispensed (NO WASTE!) and eliminates clogging
- Product flow can be regulated easily, without finger fatigue
- Permatex® branded comfort-grip

### The PowerBead™ Advantage

Our patented valve opens all of the can's internal orifices, unlike standard tilt valves that only open one. Your benefit...virtually no clogging and smoother product flow with better control.



## Ultra Series Gasket Makers



### Permatex® Ultra Black® Maximum Oil Resistance RTV Silicone Gasket Maker

Ultra Black® ensures extended drive-train warranty compliance. Fast-curing formula. Sensor-safe, low odour, non-corrosive. Retains high flexibility, oil resistant properties through use of a patented adhesion system to assist sealing during temperature cycling between dissimilar metals. Temperature range -54°C to 260°C intermittent; resists auto and shop fluids and vibration.

**Suggested Applications:** Valve covers, oil pans, intake manifold end seals, timing covers, and differential covers.

Item #	Container Size	Pack
PX24105	368g cartridge	12
PX82180	95g tube, carded	12
PX85080	269g PowerBead™ can	6



### Permatex® Ultra Blue® Multipurpose RTV Silicone Gasket Maker

Permatex® Ultra silicones were developed to meet today's technology changes. Sensor-safe, low odour, non-corrosive. Outstanding oil resistance and joint movement tolerance. Eight times more flexible than cork/composite gaskets; three times more oil resistant than conventional silicones. Temperature range -54°C to 260°C intermittent; resists auto and shop fluids and vibration.

**Suggested Applications:** Valve covers, oil pans, and timing covers.

Item #	Container Size	Pack
PX81725	368g cartridge	12
PX81724	95g tube, carded	12
PX85519	269g PowerBead™ can	6



### Permatex® Ultra Copper® Maximum Temperature RTV Silicone Gasket Maker

For high operating temperatures, turbocharger applications, and exhaust systems.

The most advanced, high temp RTV silicone gasket maker available. Sensor-safe, low odour, non-corrosive. Three times more oil resistant than conventional silicones; eight times more flexible than cut gaskets. Temperature range -54°C to 371°C intermittent; resists auto and shop fluids and vibration.

**Suggested Applications:** Exhaust manifolds/headers, turbo charger applications, and slip-fit exhaust parts.

Item #	Container Size	Pack
PX81878	85g tube, carded	12



### Permatex® Ultra Grey® Rigid High-Torque RTV Silicone Gasket Maker

Designed especially for high-torque and high vibration applications, where close bolt patterns require a rigid setting material.

This premium RTV gasket maker exceeds manufacturers' performance requirements. Sensor-safe, low odour, and non-corrosive. Maximum vibration resistance, with outstanding resistance to oils, cooling and shop fluids. Temperature range -54°C to 260°C intermittent.

**Suggested Applications:** Valve covers, oil pans, automatic transmission pans, intake manifold end seals, timing covers, water pumps, and thermostat housings.

Item #	Container Size	Pack
PX82195	368g cartridge	6
PX89145	99g tube, carded	12

## RTV Gasket Makers



### Permatex® Sensor-Safe Blue RTV Silicone Gasket Maker

The original Permatex® Blue now with low odour formula. Will not foul oxygen sensors. Replaces almost any cut gasket. Makes reliable “formed-in-place” gaskets that resist cracking, shrinking and migrating. Coats pre-cut gaskets to increase reliability. Temperature range -54°C to 260°C intermittent; resists auto and shop fluids.

**Suggested Applications:** Valve covers, oil pans, timing covers, water pumps, and thermostat housings.

Item #	Container Size	Pack
PX80628	365g cartridge	12
PX80022	85g tube, carded	12



### Permatex® Sensor-Safe High-Temp RTV Silicone Gasket Maker

The high temp first generation gasket maker formulated for oxygen sensor equipped engines. Temperature range of -54°C to 343°C intermittent; resists auto and shop fluids.

**Suggested Applications:** Valve covers, oil pans, timing covers, water pumps, and thermostat housings.

Item #	Container Size	Pack
PX81422	85g tube, carded	12



### Permatex® Water Pump & Thermostat RTV Silicone Gasket Maker

A non-corrosive, sensor-safe RTV silicone gasket material formulated specifically for water pumps and thermostat housings. Highest water-glycol resistance available in an RTV silicone.

**Suggested Applications:** Water pump and thermostat housings

Item #	Container Size	Pack
PX22071	14g tube, carded	6



### Permatex® Automatic Transmission RTV Silicone Gasket Maker

Developed with U.S. automotive OEMs and resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

Benefits include improved transmission oil resistance, good adhesion while retaining flexibility, sensor-safe, non-corrosive and can be used as a gasket maker or dressing. Non-flammable, non-toxic, low odour.

**Suggested Applications:** Automatic transmission pans, case halves, and side covers

Item #	Container Size	Pack
PX81180	85g tube, carded	12



### Permatex® Gear Oil RTV Gasket Maker

Specially formulated to withstand the harsh gear oil environment found in differentials and transfer cases.

Because gear oil has friction modifiers that break down normal RTV and cause leaking, this specialty silicone has been tested to ensure a leak-proof seal.

**Suggested Applications:** Differentials and transfer cases.

Item #	Container Size	Pack
PX81182	85g tube, carded	6

# Anaerobic Gasket Makers & Flange Sealants



## Permatex® Anaerobic Gasket Maker

Non-corrosive gasketing material designed primarily for use on aluminium, iron, and steel flanged mating surfaces. Ideal when a conventional gasket is unavailable (not for use with conventional gaskets). Fills gaps up to 0.38mm and cures to a solvent-resistant seal that will not tear or decay during service. Parts disassemble easily even after extended service. Old gasket material can be removed in minutes with the Permatex Safer Scraper.

## Permatex® Anaerobic Flange Sealant

Flexible, gasketing material for use on rigid machined flanges with less than 0.38mm gap. Use where OE's specify "anaerobic" gasket (cures in the absence of air). Withstands temperatures to 149°C. Eliminates preformed pre-cut, paper, rubber and cork gaskets. Flexes with flanges that move in service.



**Suggested Applications:** Water pumps, thermostat housings, transmission pans, transmission case covers, engine cases, timing covers, and transaxle casings.

Item #	Container Size	Pack
PX51531	50mL tube	10

**Suggested Applications:** For use on machined aluminium metal components; transmission pans, transmission case covers, transaxle casings, transfer cases, split crankcases, pumps, and housings.

Item #	Container Size	Pack
PX51813	50mL tube, carded	6



## Gasket Removers

### Permatex® Gasket Remover - Low VOC Formula

This low VOC formulation combines powerful gasket remover strength with an innovative delivery system. Its fast-foaming action penetrates the most stubborn or baked-on, solvent-based gaskets in 15-20 minutes. The built-in brush-tip was designed for easy application and allows for scrubbing on intricate surfaces. This product is NOT for use on silicone gaskets. Level 2

**Suggested Applications:** Removes solvent-based gasketing and gasket sealant products including all Permatex® Form-A-Gasket®, Spray-A-Gasket®, Indian Head®, High Tack™ Gasket Sealants and Dressings, and residual gasket material.



Item #	Container Size	Pack
PX80645	113g Power Can with brush-tip nozzle, stand-up carded	6



# FUEL RESISTANT

## Specialty Gasket Makers



### Permatex® MotoSeal® 1 Ultimate Gasket Maker Grey

For two and four cycle engines. Solvent-based bond fully seals within 20 minutes. Forms a tough flexible bond that is highly effective on irregular and uneven joint surfaces. Resists gasoline and 2-stroke oil mixtures. Withstands temperatures 177°C continuous, 204°C intermittent.

**Suggested Applications:** Transmission case halves, valve covers, centre and end covers (transmissions), crank case halves, cam covers, timing chain cases, primary drives, side covers, and clutch housings.

Item #	Container Size	Pack
PX29132	80mL tube, carded	6

*Ultimate Gasket Maker for all Two-Cycle and Four-Cycle Engines*

## Gasket Sealants



### Permatex® PermaShield™ Fuel Resistant Gasket Dressing & Flange Sealant

Specially formulated for superior fluid resistance, this polyester urethane based gasketing compound withstands extreme temperature changes without hardening. Its non-setting, non-hardening character remains tacky even with rapid changes in temperature, enabling repeated assembly and disassembly of parts.

Suitable as either a gasket maker or dressing, PermaShield™ seals surface imperfections between metal parts and is ideal in high performance applications. With an operating temperature range of -50° to 260°C, this compound resists common engine fluids, including oil, gasoline, ethanol, water and anti-freeze and prevents contamination from moisture and dust.

**Suggested Applications:** Axle assemblies, hydraulic parts, differential covers, oil pans (cast), water pumps, bearing caps/brackets, gearboxes, hydraulic equipment covers, intake manifold gaskets, and valve cover gaskets.

Item #	Container Size	Pack
PX85420	59mL tube, carded	6

# Gasket Sealants



## Permatex® Form-A-Gasket® No. 1 Sealant

Fast-drying, hard-setting sealant designed for sealing rigid materials and flanges, or patching holes and joints where permanent assembly is desired. Temperature range -54°C to 204°C; resists common shop fluids and fuels.

**Suggested Applications:** Freeze plugs, threaded connections, and manifold gaskets.

Item #	Container Size	Pack
PX80008	85g tube, carded	12



## Permatex® Form-A-Gasket® No. 2 Sealant

Slow-drying, non-hardening sealant approved for use in aviation as well as automotive applications. Temperature range -54°C to 204°C; resists gasoline, oil and grease.

**Suggested Applications:** Valve cover gaskets, and oil pan gaskets.

Item #	Container Size	Pack
PX80016	85g tube, carded	12



## Permatex® Aviation Form-A-Gasket® No. 3 Sealant Liquid

Slow-drying, non-hardening brush-top sealant approved for use in aviation as well as automotive applications. Temperature range -54°C to 204°C; resists gasoline, oil and grease.

**Suggested Applications:** Close-fitting machined surfaces, sealing hoses, and solid gaskets.

Item #	Container Size	Pack
PX80017	473mL bottle	12
PX80019	118mL bottle	12



## Permatex® Copper Spray-A-Gasket® Hi-Temp Sealant

Fast-drying, metallic copper sealant helps dissipate heat, prevents gasket burnout and improves heat transfer. Fills minor surface irregularities. Seals instantly. Fills hot spots and surface imperfections. Temperature range -45°C to 260°C; resists all types of automotive fluids, especially gasoline. Level 3

**Suggested Applications:** Cylinder head gaskets, exhaust manifold gaskets, and other high temperature applications.

Item #	Container Size	Pack
PX80697	255g aerosol can	12



## Permatex® Super High Tack™ Gasket Sealant

Non-hardening for easy disassembly. Keeps large gaskets in place during positioning and assembly. "Clean hands" formula won't stain. Temperature range -54°C to 204°C; resists engine fluids including diesel fuels and synthetic oils.

**Suggested Applications:** Seals rubber, cork, paper and composite gaskets, and hose connections.

Item #	Container Size	Pack
PX80060	51mL tube, carded	12

## Introduction

Permatex® Threadlocker adhesives are widely accepted in a broad range of applications, from delicate fuel injection components to heavy duty transmission and engine assemblies. Suitable for use on factory assembly lines, threadlockers apply as liquids or gels, filling the space between threaded metal parts, and cure to form a tough, adhesive bond and seal.

Permatex® Threadlockers are superior to conventional lock washers, nylon inserts, and other mechanical devices because they secure the entire fastener assembly against loosening from shock and vibration, so fastener clamping forces are maintained. Threadlockers also seal the threads against leakage, preventing rust and corrosion. Available in a variety of strengths and temperature ratings, Permatex® Threadlockers are simply the most reliable way to lock and seal threaded fasteners of all shapes and sizes, either before or after assembly.

Product	Item No.	Colour	Viscosity cP	Fasteners	Torque in Nm.* Break/Prevail	Fixture** (Full Cure)	Fixture/with Primer	Temperature Range	Use/Common Applications
<b>Permatex® Low Strength Threadlocker Purple</b>	24024	Purple	1,200 /5,000 Thixotropic	Up to 6mm	7/3	20 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly for throttle body assembly screws, choke assembly screws, mixture adjusting screws, idle control screws, relay lock screws, body panel mounting fasteners.
<b>Permatex® Medium Strength Threadlocker Blue</b>	24210 24250	Blue	1,200 /6,000 Thixotropic	6-20mm	13/6	20 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly for oil pan bolts, case cover bolts, shift lever nuts, alternator mounts, intake manifold, valve cover, and disc brake calliper bolts.
<b>Permatex® Surface Insensitive Threadlocker Blue</b>	24350	Blue	2,250 /12,000 Thixotropic	6-20mm	20/7	20 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly for oil pan bolts, valve and cam cover bolts, intake bolts, disc brake calliper bolts, alternator mounting bolts, rocker studs.
<b>Permatex® Permanent Strength Threadlocker Red</b>	26210 26250	Red	1,800 /5,000 Thixotropic	10-25mm	21/31	20 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly of air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts.
<b>Permatex® High Strength Threadlocker Red</b>	27110	Red	500	10-25mm	26/25	20 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly for threaded and slip fit joints on cylinder block and rocker arm studs, shock absorber bolts, ring gear bolts, frame bolts.
<b>Permatex® High Temperature Threadlocker Red</b>	27240	Red	10,000	10-38mm	20/30	30 min. (24 hrs.)	5 min.	-54° to 232°C	Applied before assembly for camshaft sprocket bolts, crankshaft attaching bolts, idler bearings, press fit filler tubes, transmission input and output shaft threads, shock bolts, ring gear bolts.
<b>Permatex® Large Diameter Threadlocker Red</b>	27740	Red	7,000	25mm over	28/22	60 min. (24 hrs.)	5 min.	-54° to 149°C	Applied before assembly for frame brackets, suspension fasteners, shock absorber mount, wheel studs.

Thixotropic: resists dripping from threads during assembly

\* 10mm - phosphate steel

\*\*Fixture strength is equivalent to 20% of full cure strength

# Threadlocker Gels



## Permatex® Medium Strength Threadlocker Blue Gel

Gel formula provides “liquid-reliability” without drips, globs, mess or waste.

The GEL TWIST™ pin-point applicator puts the Threadlocker right where you want it...on the part!

All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 6mm to 20mm.

Eliminates need for stocking expensive lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration.

Protects threads from corrosion. Removable with hand tools for easy disassembly. Conforms to ASTM D 5363 AN0321 (Mil-S-46163A, Type II, Grade N).

**Suggested Applications:** Valve cover bolts, water pump bolts, oil pan bolts, drive shaft bolts, rocker arm adjustment nuts, carburettor studs; also ideal for vertical applications.

Item #	Container Size	Pack
PX24010	10g GEL TWIST™ applicator, carded	6

### Gel Twist™ Application Directions:



1. Remove protective cap.



2. Turn dial to expose 3mm to 6mm of material beyond tip.



3. Apply Threadlocker to engagement area of male fitting.



4. Assemble parts and tighten to recommended torque.

**True Innovation...  
No drips. No globs. No mess. No waste.**



## Permatex® High Strength Threadlocker Red Gel

Gel formula provides “liquid-reliability” without drips, globs, mess or waste.

The GEL TWIST™ pin-point applicator puts the Threadlocker right where you want it...on the part!

High strength threadlocker for heavy-duty applications 10mm to 25mm.

Especially well-suited for permanently locking studs and press fits. Adds 3,000 PSI holding power

on slip and press fit assemblies.

Replaces set screws and snap rings. Locks against vibration loosening. May require heat or special tools for removal. Conforms to ASTM D5363 AN0221 (Mil-S-46163A, Type I, Grade K).

**Suggested Applications:** Cylinder block and rocker arm studs, ring gear bolts, frame bolts, and shock absorber bolts.

Item #	Container Size	Pack
PX27010	10g GEL TWIST™ applicator, carded	6



# Anaerobic Threadlockers



## Permatex® Low Strength Threadlocker Purple

Low strength threadlocker designed for fasteners under 6mm that require occasional adjustment. Removable with hand tools for easy disassembly. Non-corrosive. Conforms to ASTM D 5363 AN0311 (Mil-S-46163A, Type II, Grade M).

**Suggested Applications:** Carburetors, relay locks, headlamps, throttle body assembly, choke assembly and fuel injection set screws, body panel mounting fasteners, and fine threads.

**OEM INTERCHANGE,** see pgs. 54-59



Nonfood Compounds Program Listed (P1) (134527)

Item #	Container Size	Pack
PX24024	6mL tube, carded	6



## Permatex® Medium Strength Threadlocker Blue

All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 6mm to 20mm. Eliminates need for stocking expensive lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration. Protects threads from corrosion. Removable with hand tools for easy disassembly. Conforms to ASTM D 5363 AN0321 (Mil-S-46163A, Type II, Grade N).

**Suggested Applications:**

Valve cover bolts, water pump bolts, oil pan bolts, drive shaft bolts, rocker arm adjustment nuts, and carburettor studs.

**OEM INTERCHANGE,** see pgs. 54-59



Nonfood Compounds Program Listed (P1) (134526)

Item #	Container Size	Pack
PX24210	10mL bottle, carded	12
PX24250	50mL bottle	6



## Permatex® Surface Insensitive Threadlocker Blue

Medium/high strength threadlocker for general-purpose applications. Especially well-suited for 6mm to 20mm fasteners that have a slight oil film. Prevents vibration loosening. Oil resistant. Removable with hand tools for easy disassembly.

**Suggested Applications:** Rocker studs, rocker adjustment bolts and bolts on valve and cam covers, oil pans, disc brake calipers, intakes, alternators, and pulley assemblies.

**OEM INTERCHANGE,** see pgs. 54-59

Item #	Container Size	Pack
PX24350	50mL bottle	6



## Permatex® Permanent Strength Threadlocker Red

A permanent, high strength product that is applied to fasteners 10mm to 25mm in size before assembly. Designed for securing parts that must withstand heavy shock, vibration, or extreme chemical or environmental conditions. Localized heating and hand tools are required to separate parts. Conforms to ASTM D5363 AN0331 (Mil-S-46163A, Type II, Grade O).

**Suggested Applications:** Assembly with air tools, cylinder block bolts, ring gear bolts, and transmission shaft bolts.

**OEM INTERCHANGE,** see pgs. 54-59



Nonfood Compounds Program Listed (P1) (134524)

Item #	Container Size	Pack
PX26210	10mL bottle, carded	12
PX26250	50mL bottle	6



# Anaerobic Threadlockers



## Permatex® Large Diameter Threadlocker Red

A high strength adhesive for locking and sealing large bolts and stud 25mm or larger in diameter. Heat may be required to weaken bond before parts can be disassembled. Conforms to ASTM D5363 AN0211 (Mil-S-46163A, Type I, Grade L).

**Suggested Applications:** Frame brackets, suspension fasteners, shock absorber mounts, wheel studs

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX27740	36mL bottle, carded	6



## Permatex® High Strength Threadlocker Red

High strength threadlocker for heavy-duty applications 10mm to 25mm. Especially well-suited for permanently locking studs and press fits.

Adds 3,000 PSI holding power on slip and press fit assemblies. Replaces set screws and snap rings. Locks against vibration loosening.

May require heat or special tools for removal. Conforms to ASTM D5363 AN0221 (Mil-S-46163A, Type I, Grade K).

**Suggested Applications:** Cylinder block and rocker arm studs, ring gear bolts, frame bolts, and shock absorber bolts.

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX27110	10mL bottle, carded	12



## Permatex® High Temperature Threadlocker Red

High temperature/high strength threadlocker for heavy-duty applications.

Prevents bolts and press fits 10mm to 38mm from loosening due to shock, severe vibration and heat stress.

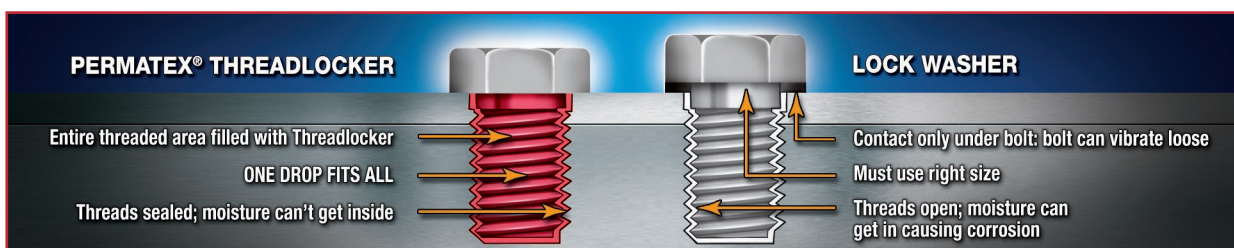
Exclusive formulation for newer engines and high performance applications that require extreme temperature resistance.

Suited for temperatures up to 232°C. Removable with heat and hand tools.

**Suggested Applications:** Camshaft sprocket bolts, crankshaft bolts, idler bearings, press fit filler tubes, transmission input and output shaft threads, ring gear or shock bolts.

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX27240	36mL bottle, carded	6



## Thread Sealants

Permatex® Thread Sealants seal and secure metal pipes and fittings. By filling the space between threaded metal parts, Thread Sealants cure to a pliable seal to prevent leakage caused by vibration loosening, tape shredding, solvent evaporation, damaged threads, and temperature cycling.

Designed for low and high pressure applications, Thread Sealants seal instantly for on-line low pressure testing. When fully cured, they seal to the burst strength of most piping systems.

The high lubricating properties of Permatex® Thread Sealants ease assembly and prevent galling of the threads.

For system repairs, parts may be disassembled with basic hand tools.



Product	Item No.	Colour	Viscosity cP	Seal to Operating Pressure	Temperature Range	Use/Common Applications
Permatex® Pneumatic/Hydraulic Sealant	PX54540	Purple	14,000	4 hrs.	-54° to 149°C	Pneumatic/Hydraulic sealant designed to cure more reliably on oily surfaces. Will not contaminate fine filter systems.
Permatex® High Performance Thread Sealant	PX56521	White	300,000	4 hrs.	-54° to 149°C	Superior to PTFE tape, ensures leak-proof seal under harsh treatment. Head bolts into through holes, vacuum valves, oil pressure switches and sensors, transmission oil and coolant lines, intake manifold switches, rear axle fill plug fuel fittings, brake and power steering lines.
Permatex® High Temperature Thread Sealant	PX59235	White	350,000	4 hrs.	-54° to 204°C	Head bolts into through holes, vacuum valves, oil PSI switches and sensors, transmission oil and coolant lines, intake manifold switches, rear axle fill plug, fuel fittings, brake and power steering lines.

# Thread Sealants



## Permatex® High Performance Thread Sealant

Formulated specifically for metal, tapered pipe thread fittings, it replaces Teflon® tape and pipe dopes. Cures rapidly to withstand up to 10,000 PSI. Prevents galling and protects mated threaded areas from rust and corrosion. Contains PTFE.

### Suggested Applications:

Stainless steel fittings, head bolts into through holes, oil PSI sending units/sensors, oil and coolant lines, intake manifold switches, rear axle fill plug, and fuel fittings.

OEM INTERCHANGE, see pgs. 54-59



Item #	Container Size	Pack
PX56521	50mL tube, carded	6



## Permatex® High Temperature Thread Sealant

Locks and seals threaded fittings. Resists leakage, vibration loosening, moisture, hydraulic fluids and diesel fuels. Lubricates threads for easy assembly and disassembly. Won't shred or wear like Teflon® tape. Parts may be repositioned up to 4 hours after application. Temperature range -54°C to 204°C. Contains PTFE.

### Suggested Applications:

Head bolts into through holes, oil PSI sending units and sensors, oil and coolant lines, fuel fittings, rear axle fill plug, brake, and power steering fittings.

OEM INTERCHANGE, see pgs. 54-59

Item #	Container Size	Pack
PX59235	50mL tube, carded	6



## Permatex® Pneumatic/Hydraulic Sealant

Designed for locking and sealing high pressure hydraulic and pneumatic systems. Contains no fillers or particles which could contaminate system fluids, foul valves, or clog fine filters and screens. Reliably cures on "as received" fasteners and controlled locking strength affords easy disassembly.

**Suggested Applications:** Hydraulic line fittings, brake fittings, transmission fluid fittings, and PTO fittings.

Item #	Container Size	Pack
PX54540	36mL bottle, carded	6



## Thread Compound — Seal & Lock Compound



### The Next Generation of Thread Compounds!

Permatex® Seal + Lock Thread Compound is a one-of-a-kind product that combines the power of a thread sealant and a threadlocker into one. With this hybrid thread compound, sealed connections will not loosen and locked fittings will not leak.

#### Features:

- Creates air and water tight seal
- Seals to 1000 psi
- Locks to 120 in. lbs. of force
- Temperature resistant between -51C to 150C
- Immediate low-pressure sealing
- Resists all common shop fluids
- Cures without cracking
- Removable with hand tools

#### Applications:

- Threaded freeze plugs
- Oil pressure sensor
- Fuel line supply nuts and bolts
- Threaded fuel injectors
- Coolant temperature sensor
- Power steering cooler line nuts
- Brake master cylinder line nuts
- A/C systems
- Gardening hose and sprinkler connections
- Metal pipe plugs



### Permatex® Seal & Lock Compound 35ml

A one-of-a-kind product that combines the power of a thread sealant and a thread locker into one.

Item #	Container Size	Pack
PX57535	35mL Seal & Lock Thread Compound	6

# Retaining Compounds



Permatex® Retaining Compounds are designed to bond non-threaded, cylindrical metal assemblies. By filling the voids between close-fitting metal parts, retaining compounds harden to create a solid, one-piece assembly. Permatex Retaining Compounds can be used to lock keyways, secure splines, augment press fits, and strengthen interference fits. Use them to prevent wear on new components, or restore the fit to worn or out-of-tolerance parts.

Product	Item No.	Colour	Max Gap Fill (Diametral)	Viscosity cP	Shear Strength	Temperature Range	Cure - Steel Fixture (Full)	Use/Common Applications
Permatex® Bearing Mount For Close Fits	PX60950	Green	0.13mm	125	3,000 PSI	-54° to 149°C	10 min. (24 hrs.)	Bushings, bearings, oil seals, ring gear bolts, differential lock pins.
Permatex® Bearing Mount For Relaxed Fits	PX68050	Green	0.38mm	1,250	2,800 PSI	-54° to 149°C	10 min. (24 hrs.)	Replaces set screws, replaces clamp rings, replaces snap ring, wheel bearings, idler shaft, press fit bearings



## Permatex® Bearing Mount for Close Fits

A low viscosity, rapid-curing adhesive that augments the strength of press fit assemblies up to .005" in diameter. Adds up to 3,000 PSI holding power. Conforms to ASTM D5363 AN0411 (Mil-R-46082, Type I).

**Suggested Applications:** Bushings, bearings, oil seals, ring gear bolts, and differential lock pins.

OEM INTERCHANGE, see pgs. 54-59

Item #	Container Size	Pack
PX60950	50mL bottle	6



## Permatex® Bearing Mount for Relaxed Fits

High strength, medium viscosity anaerobic adhesive for slip fit assemblies. Provides 2,800 PSI shear strength on steel. Fixtures in 10 minutes at room temperature.

**Suggested Applications:** Replaces set screws, replaces clamp rings, replaces snap rings, wheel bearings, idler shaft, and press fit bearings.

OEM INTERCHANGE, see pgs. 54-59

Item #	Container Size	Pack
PX68050	50mL bottle	6



Nonfood Compounds Program Listed (P1) (134528)

## Introduction

### Super Glues and Instant Adhesives

From the world leader in cyanoacrylate, or super glue, technology comes a complete line of adhesives designed to cover the vast majority of common automotive repairs and materials. From the revolutionary Ultra Bond™, a high performance super glue, to Dr. Bond™ adhesive, Permatex® offers a wide range of instant adhesives to meet your many needs.

### Epoxies

Permatex® epoxies offer convenient solutions for a wide range of bonding applications. Available in many packaging configurations, Permatex® epoxies are versatile and easy-to-use. From general-purpose to material-specific, Permatex® offers a formulation that will work in virtually any environment.

### Specialty Adhesives

Permatex® specialty adhesives offer ideal solutions for many automotive bonding jobs. As complements to a full line of super glues, these products make a more complete adhesive set, while the tried and true formulas guarantee consumer satisfaction.

### Sealants

There is a trusted Permatex® sealant for virtually any automotive sealing application, from windshields to vinyl tops to electrical connections. These well-known general-purpose and job specific sealants are cornerstones in the Permatex® line.

## Super Glues & Instant Adhesives



### Permatex® Super Glue

This formulation was specially designed for a faster, long-lasting bond. It is easily applied and works on non-porous materials including metal, plastics, rubber, vinyl, paper, wood, and textiles.

Permanent, transparent bond fills gaps to 0.101mm.

**Suggested Applications:** Automotive trim, logos, knobs, gear shift logos, and minor interior repairs.

OEM INTERCHANGE, see pgs. 54-59

Item #	Container Size	Pack
PX49450	28g bottle, carded	10
PX82190	2g tube, carded	12



### Permatex® Super Glue Gel

This no drip gel formula “stays put” for precise application on hard-to-reach, overhead, or vertical surfaces. This permanent, transparent bond is easily applied and works on both porous and non-porous materials including metal, rubber, glass, aluminium, vinyl, ceramics, alloys, and plastics. Fills gaps to 0.101mm.

**Suggested Applications:** Automotive

trim, logos, knobs, gear shift logos, and minor interior repairs.

Item #	Container Size	Pack
PX82191	2g tube, carded	12

# Epoxies



## Permatex® Steel Weld™ Epoxy

Versatile, easy-to-use, multi-metal epoxy adhesive is two-part adhesive and filler system that eliminates the need for welding or brazing. Sets in four minutes, no clamping needed. Dark grey appearance. Fills gaps and will not shrink. When cured, can be drilled, sanded, threaded or filed. Resistant to water and solvents. Temperature range -51°C to 149°C. Permanent strength up to 4500 PSI.

**Suggested Applications:** Ideal for complex, multi-piece assemblies. Bonds rigid materials including aluminium, brass, chrome, copper, iron, stainless steel, steel. Use to seal welded seams, fills metal cracks, and mount metal components.

Item #	Container Size	Pack
PX84109	25mL dual syringe, carded	6
PX84209	2 x 28g tubes, carded	12



## Permatex® Cold Weld Bonding Compound

A 15-minute, two-part adhesive and filler system that eliminates the need for welding or brazing. It repairs, fills and bonds to iron, steel, brass, aluminium and copper. Once cured, it can be drilled, tapped, threaded, filed, sanded and painted. Resists most automotive, shop and cleaning fluids. Withstands temperatures to 149°C intermittent. Over 3,000 PSI shear strength on steel.

**Suggested Applications:** Aluminium, steel, brass, bronze, castings and stampings.

Item #	Container Size	Pack
PX14600	2 x 28g tubes, carded	12



## Permatex® 1 Minute General Purpose Epoxy

Versatile, easy-to-use, general purpose epoxy adhesive is two-part adhesive and filler system. Sets in one minute, no clamping needed. Clear appearance. Fills gaps and will not shrink. Resistant to water and solvents. Temperature range -51°C to 82°C. Permanent strength up to 2500 PSI.

**Suggested Applications:** Ideal for complex, multi-piece assemblies. Bonds rigid materials including, ceramic, chrome, fabric, fiberglass, glass, hard plastic, and metal and rubber.

Item #	Container Size	Pack
PX84160	25mL dual syringe, carded	6

## Epoxies



### Permatex® 5 Minute Gap Filling Epoxy

Versatile, easy-to-use, general purpose epoxy adhesive is two-part adhesive and filler system. Sets in five minutes, no clamping needed. Clear appearance. Fills gaps and will not shrink. Resistant to water and solvents. Temperature range -51°C to 82°C. Permanent strength up to 3400 PSI. Self-mixing dual syringe (84164) blends the adhesive and filler as it dispenses, eliminating the need for manual mixing.

**Suggested Applications:** Ideal for complex, multi-piece assemblies. Bonds rigid materials including, ceramic, chrome, fabric, fibreglass, glass, hard plastic, and metal and rubber.

Item #	Container Size	Pack
PX84101	25mL dual syringe, carded	6



### Permatex® 30 Minute High Strength General Purpose Epoxy

Versatile, easy-to-use, general purpose epoxy adhesive is two-part adhesive and filler system. Sets in thirty minutes, no clamping needed. Clear appearance. Fills gaps and will not shrink.

When cured, can be drilled, sanded, threaded or filed. Resistant to water and solvents. Temperature range -51°C to 82°C. Permanent strength up to 3500 PSI.

**Suggested Applications:** Ideal for complex, multi-piece assemblies. Bonds rigid materials including ceramic, chrome, fabric, fibreglass, glass, hard plastic, and metal and rubber.

Item #	Container Size	Pack
PX84107	25mL dual syringe, carded	12



### Permatex® Plastic Welder™ Epoxy

A structural adhesive designed for general purpose bonding of a wide variety of material such as hard and soft plastics to specified surfaces. Forms a tough, durable bond to most plastics, composites, ceramics, wood in any combination.

Fast curing product with gelling of mixed adhesive in 5-6 minutes and fixturing in 9-10 minutes. NOTE: Will not bond most polyethylene or polypropylene plastics. Bonds hard and soft plastics to specified surfaces.

Requires no primers, sets in five minutes at room temperature. Cream appearance. Gap filling to 3.175mm. Water resistant and good chemical resistance. Temperature range -51°C to 121°C. Permanent strength up to 3500 PSI.

**Suggested Applications:** Bonds rigid materials including ABS, acrylic, fibreglass, FRP, glass, PVC, SMC, steel, styrene, vinyl, and wood. Use for interior trim, fills cracks, bonds most plastics, and bonds plastic to vinyl.

Item #	Container Size	Pack
PX84115	25mL dual syringe, carded	12



## Specialty Adhesives



### Permatex® Liquid Metal Filler

Easy-to-use filler can be drilled, filed, sanded and painted. Forms a long-lasting, metal-tough bond. Works on metal, wood, and concrete. Excellent adhesion to galvanized metal. Repairs cracks or porosity leaks in cast metal parts. Fills small holes, cracks, and perforations. Resists water, oil and gasoline.

**Suggested Applications:** Oil pans, stake bed holes, door panels, and cast metal parts.

Item #	Container Size	Pack
PX25909	99g tube, carded	12



### Permatex® Contact Cement

Makes a tough, permanent bond on contact. Instantly bonds metal, wood, ceramic, leather, rubber and many other surfaces. Instantly bonds rubber to glass and metal.

Heat and water resistant. Easy-to-use. Requires no clamping.

**Suggested Applications:** Weather stripping.

Item #	Container Size	Pack
PX25905	44mL tube, carded	12



### Permatex® Liquid Electrical Tape

Weatherproof protectant for wiring and electrical connections. Goes on as a liquid and dries to a vinyl polymer that resists dirt, dust, chemicals, moisture, ensuring that connections stay intact. Brush-top applicator allows coverage without gaps and enables access to tight spaces that roll tape and shrink tubing can't get to.

**Suggested Applications:** Ignition wires, underground wiring, outdoor lighting fixtures, bilge pumps, terminal blocks, and exposed wires.

Item #	Container Size	Pack
PX85120	118mL brush-top bottle, carded	6



### Permatex® Self-fusing Silicone Tape

A self-fusing silicone repair tape that has been used by the Military for years! An all purpose repair tape that is made out of specially formulated silicone rubber.

Contains no adhesives, yet chemically bonds to itself upon contact. Simply stretch and wrap for an airtight, waterproof seal in seconds. Replaces duct tape and electrical tape.

**Suggested Applications:** Use to seal, insulate and stop vibration on just about anything you are able to get a couple of wraps around. Seal electrical connections, make emergency fuel or water hose repairs, insulate wiring and hoses, repair leaking pipes and hoses, repair damaged wires and wrap hand tools and grips. Use on connector wires and cables, all kinds of hoses such as garden hoses, vacuum hoses, appliance cords, and radiator hoses.

Item #	Container Size	Pack
PX82112	2.54cm x 3.04m Roll carded	6

## Specialty Adhesives



### Permatex® Clear RTV Silicone Adhesive Sealant

General-purpose, clear RTV indoor/outdoor sealant. Seals, bonds, repairs, mends, and secures glass, metal, plastics, fabric, vinyl, weather stripping, and vinyl tops. Protects and repairs electrical wiring.

May be applied to horizontal or vertical surfaces. Waterproof and flexible. Temperature range -75°F to 400°F (-59°C to 204°C); resists water,

weather, and vibration. Not recommended for windshield installation.

**Suggested Applications:** Door frames, electrical connections, vinyl tops, seams and roofs. (Not recommended for engine gasket applications).

Item #	Container Size	Pack
PX80050	85g tube, carded	12
PX80855	311g cartridge	12



### Permatex® Black Silicone Adhesive Sealant

Low odour formula! General-purpose, black RTV indoor/outdoor sealant. Seals, bonds, repairs, mends and secures glass, metal, plastics, fabric, vinyl, weather stripping and vinyl tops. Protects and repairs electrical wiring. May be applied to horizontal or vertical surfaces. Waterproof and flexible.

Temperature range -59°C to 232°C; resists water, weather, and vibration.

**Suggested Applications:** Door frames, electrical connections, seams and roofs, vinyl tops, weather stripping (Not recommended for engine gasket applications or windshield installations).

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX81158	85g tube, carded	12
PX81173	365g cartridge	12



### Permatex® Flowable Silicone Windshield & Glass Sealer

Wicking action silicone “seeks the leak.” Flows into hidden and hard-to-reach areas. Forms a tough, waterproof, durable, clear seal that is resistant to weather, extreme temperatures, vibration, shock, and most shop chemicals. Fills surface voids and irregularities. Temperature range -62°C to 204°C.

**Suggested Applications:** Windshields, sunroofs, windows, headlamp assemblies, marine glass, RV vents and windows.

**OEM INTERCHANGE, see pgs. 54-59**

Item #	Container Size	Pack
PX81730	42g tube, carded	12



### Permatex® Spray Sealant Leak Repair

A sprayable sealer that forms a durable rubber barrier that stop leaks in minutes. The wicking action seals hard-to-reach leaks without the need for disassembling or removing parts.

Designed specifically to target low pressure leaks in hoses, oil pans, differentials, transmission pans, fluid reservoirs as well as plastic, PVC and metal pipes, their connections and much more!.

Eliminates the need for liquid additive sealers that can swell and foul internal seals. Resists common shop fluids. Note: In many cases, more than one coat will be needed to solve the problem. Level 3

**Suggested Applications:** Engine and transmission leaks, hoses, oil pans, differentials, transmission pans, cooling systems, thermostats, water pumps, valve covers, tubing connections, electrical harness connectors, plastics, and PVC.

Item #	Container Size	Pack
PX82099	255g aerosol	6

## Specialised Maintenance & Repair

Whether it's sealing a hole in a tailpipe, attaching a rearview mirror or mending a tear in upholstery, there's a Permatex® product that offers the solution. These problem-solving products are formulated and tested to deliver optimum results for specific maintenance and repair needs.

- Rebuilder's Aids
- Auto Glass Repair
- Electrical System Maintenance
- Body, Interior & Trim
- Professional Repair Systems
- Fabric and Vinyl Repair
- Exhaust System Repair
- Brake Maintenance & Repair
- Radiator & Fuel Tank Repair



### Rebuilder's Aids



#### Permatex® Valve Grinding Compound

Aids valve grinding and seating operations to remove burrs, surface defects, carbon, gum and corrosion. Can be used for lapping and grinding chromium. Mixes with water to form an easy-to-use paste.

**Suggested Applications:** Seat valves, sharpen reel type lawn mowers.

Item #	Container Size	Pack
PX80036	42.5g tube, carded	12



#### Permatex® Prussian Blue

Aids precision-fitting of machined surfaces. Locates high spots on bearings, valves, gears and other close-to- tolerance components. Non-drying. Easy clean-up.

**Suggested Applications:** Bearings, valves, gears, other close tolerance or machined assemblies.

Item #	Container Size	Pack
PX80038	22mL tube	36

### Auto Glass / Lens Repair



#### Permatex® Extreme Rearview Mirror Professional Strength Adhesive

2-part (towelette & pipette) professional strength rearview mirror adhesive & activator. Patent pending medical grade towelette helps to minimize application messes, improves application accuracy and also provides a safer package for general consumers and professional

installers. This product incorporates a professional strength formula which ensures that it works! NOT DESIGNED FOR PLASTIC BUTTONS.

**Suggested Applications:** Mounting rearview mirrors to windshields.

Item #	Container Size	Pack
PX81840	2 part kit - 0.3mL adhesive vial / 0.6mL activator towelette, carded	12

NOTE: This product can be used on imported vehicles with the black perforated banner.



#### Permatex® Professional Strength Rearview Mirror Adhesive

Approved and used by GM, Ford and Chrysler. Permanently remounts mirrors to windshields. Achieves handling strength in seconds; mirror-mounting strength in 15 minutes. Single use only. ODC-free. NOT DESIGNED FOR PLASTIC BUTTONS.

**Suggested Applications:** Mounting rearview mirrors to windshields.

Item #	Container Size	Pack
PX81844	2-part kit, carded	12

## Auto Glass / Lens Repair



### Permatex® Rear Window Defogger Electrically Conductive Tab Adhesive

Quickly and easily bonds defogger tab to grid on rear window. Provides a low-cost, high-quality repair for damaged rear window defogger tabs. Complete kit for a quick repair.

**Suggested Applications:** Rear window defogger tabs.

Item #	Container Size	Pack
PX21351	2-part kit, carded	6



### Permatex® Bullseye™ Windshield Repair Kit

The first one-component windshield repair system designed to be used by the car owner. May be used to make air-tight repairs of bullseye damage up to 31.75mm in diameter on most laminated windshield glass. Safe and easy to use. Requires no mixing, no heat. Makes the repair virtually undetectable.

**Suggested Applications:** Bullseyes on laminated windshield glass.

Item #	Container Size	Pack
PX16067	0.74mL syringe, carded	12

\*See also Permatex® Professional Repair Systems Windshield Repair Kit

## Electrical System Maintenance



### Permatex® Dielectric Tune-Up Grease

Protects electrical connections and wiring from salt, dirt, and corrosion. Extends the life of bulb sockets. Prevents voltage leakage around any electrical connection. Also prevents spark plugs from fusing to boots. Required for modern, high-energy ignition systems.

**Suggested Applications:** All electrical connections, spark plug boots, and trailer hitches.

Item #	Container Size	Pack
PX22058	85g tube, carded	6
PX81150	9g tube, carded	12



### Permatex® Liquid Electrical Tape

Weatherproof protectant for wiring and electrical connections. Goes on as a liquid and dries to a vinyl polymer that resists dirt, dust, chemicals, moisture, ensuring that connections stay intact. Brush-top applicator allows coverage without gaps and enables access to tight spaces that roll tape and shrink tubing can't get to.

**Suggested Applications:** Ignition wires, underground wiring, outdoor lighting fixtures, bilge pumps, terminal blocks, and exposed wires.

Item #	Container Size	Pack
PX85120	118mL brush-top bottle, carded	6

## Electrical System Maintenance



### Permatex® Battery Protector & Sealer

Seals and coats battery terminals eliminating the formation of acid salt corrosion typically found when terminals are untreated. Prevents terminal corrosion and battery drain. Increases battery life and improves electrical flow. Spray on batteries, battery terminals, and cables, in or out of storage. Aerosol - Level 3\*

**Suggested Applications:** Automotive, marine, farm machinery, and motorcycle batteries.

Item #	Container Size	Pack
PX80370	141g aerosol can	12



### Permatex® Battery Cleaner

Spray it on and wash corrosion off. Works in just three minutes. Penetrates and removes corrosion, dirt, and grime instantly. Cleans all types of storage batteries and attachments in emergency power supply systems. Level 1

**Suggested Applications:** Automotive, marine, farm machinery and motorcycle batteries, cables, and terminal connections.

Item #	Container Size	Pack
PX80369	163g aerosol can	12

## Body, Interior & Trim



### Permatex® Body Shop® Heavy Duty Headliner & Carpet Adhesive

High-strength spray adhesive designed for repairing interior parts that have become detached or loosened. Resistant to extreme weather conditions. Water-resistant. Dries clear for neat appearance. High temperature formula maintains high strength at temperatures up to 77°C. Level 3

**Suggested Applications:** Headliners, carpets, trunk linings, and inside door panels.

Item #	Container Size	Pack
PX27828	474g aerosol can	6



### Permatex® All Purpose Spray Adhesive

An all-purpose, pressure sensitive, spray adhesive that allows both permanent and re-positionable bonding. Won't bleed through leaving surfaces unstained, dries clear. Unique formula resists water and humidity. Will not shrink. Adheres to porous and non-porous materials. Level 3.

**Suggested Applications:** Excels at attaching upholstery cloth, carpeting, floor mats, insulation, and kick and silencer pads to metal, wood, or KB board.

Item #	Container Size	Pack
PX82019	297g aerosol can	12



### Permatex® Super Weatherstrip Adhesive

A superior adhesive ideal for many applications including rubber, metal, auto or van carpeting, and fabric-backed vinyl upholstery and automotive gaskets. Allows for repositioning parts after contact is made. Withstands extreme temperatures. Water resistant. Resistant to gasoline, kerosene, antifreeze and most solvents.

**Suggested Applications:** All types of weather stripping, door and trunk mouldings.

Item #	Container Size	Pack
PX80638	59mL tube, carded	12



### Permatex® Heavy-Duty Rubberized Undercoating

Rubberised for maximum durability; seals, protects and insulates. Excellent professional blend all-purpose coating. Ideal for home or shop use. Level 3

**Suggested Applications:** Automotive frames, rocker panels and wheel wells. Other uses include sealing gutters, roofs, drain systems, and tree pruning. Sound deadening applications.

Item #	Container Size	Pack
PX81833	454g aerosol can	12

## Professional Repair Systems

### **Premium Repair Kits for Professionals and Do-It-Yourselfers!**

These premium repair kits contain everything required for making professional-quality repairs in just a few minutes. State-of-the-art components and easy-to-follow instructions with photographs are common to all kits.

NOTE: This product can be used on imported vehicles with the black perforated banner.



### **Permatex® Windshield Repair Kit**

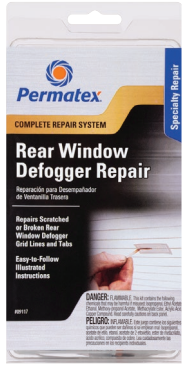
Make permanent air-tight repairs of bullseye damage up to 31.75mm on most laminated windshield glass. This state-of-the-art delivery system with advanced spring-lock feature, allows you to make professional-quality repairs with no mixing required, and it cures by natural daylight.

This complete kit provides everything needed for the repair including easy-to-follow instructions with photographs. See video demo online at [permatex.com](http://permatex.com).

**Suggested Applications:** Repairs bullseyes (up to 31.75mm long) in laminated automotive windshields

Item #	Container Size	Pack
PX09103	1 kit, clamshell	6

# Professional Repair Systems



## Permatex® Complete Rear Window Defogger Repair Kit

Complete kit contains everything required for making professional-quality repairs in just minutes. State-of-the-art components and easy-to-follow instructions with photographs. Provides a low-cost, high-quality repair for damaged rear window defogger grids and tabs. Quick Grid™ is the result of a joint research project with the General Motors Research Centre.

**Suggested Applications:** Rear window defogger grids and tabs.

Item #	Container Size	Pack
PX09117	1 kit, clamshelled	6



## Permatex® Vinyl & Leather Repair Kit

A complete DIY repair kit for home, automotive, and marine vinyl and leather upholstery.

Contains: heat transfer tool, 7 colours of repair compound, clear vinyl adhesive and filler (net. 10 mL), grain pattern paper, plastic spatula, and instruction sheet with colour matching chart.

**Suggested Applications:** Vinyl and leather upholstery, infant car seats, chairs, stools, and luggage.

Item #	Container Size	Pack
PX80902	1 kit, clamshelled	6



## Permatex® Plastic Tank Repair Kit

Complete kit contains everything required for making professional-quality permanent repairs in just minutes.

State-of-the-art components and easy-to-follow instructions with photographs. Repairs all types of plastic tanks. The repair resin is designed to harden within 8 – 10 minutes and cure in 30 minutes.

Repairs can be made ideally at temperatures from 10°C to 24°C.

Repairs cracks up to 10 cm in length

and holes up to 9.5 mm in diameter. (THIS PRODUCT IS NOT FOR USE ON PLASTIC FUEL TANKS).

**Suggested Applications:** Ideal for cars, trucks, boats and RV's; windshield washer reservoirs, radiator overflow tanks, coolant reservoirs, water tanks, and waste tanks.

Item #	Container Size	Pack
PX09100	1 kit, clamshelled	6



## Permatex® Fuel Tank Repair Kit

Eliminates dangerous welding. Complete kit contains everything required for making professional-quality permanent repairs in just minutes. Includes state-of-the-art components and easy-to-follow instructions to make quick permanent repairs to leaks in all types of metal fuel tanks.

It repairs cracks up to 4" (10cm) long and holes up to 3/8" (9mm) in diameter. Repair will be complete when the resin cures in 30 minutes. Tank may be refilled after 30 minutes or when the repair is tack free. The repair resin is designed to harden within 8 – 10 minutes and cure in 30 minutes.

Repairs can be made ideally at temperatures from 10°C to 24°C. Repairs made at lower temperatures will take longer to cure. Repairs can be made on slow leaking cracks up to 10cm in length and holes up to 9.5 mm in diameter. (THIS PRODUCT IS NOT FOR USE ON PLASTIC FUEL TANKS).

**Suggested Applications:** Ideal for cars, light trucks and commercial vehicles; portable metal fuel tanks, and metal car fuel tanks.

Item #	Container Size	Pack
PX09101	1 kit, clamshelled	6

## Exhaust System Repair



### Permatex® Muffler & Tailpipe Bandage

Epoxy-impregnated fibreglass bandage chemically welds mufflers and tailpipes. Permanently repairs holes and leaks in exhaust systems saving costly part replacement. Seals out poisonous fumes to temperatures of 426°C.

**Suggested Applications:** Mufflers and tailpipes on automobiles, trucks, tractors and farm equipment.

Item #	Container Size	Pack
PX80331	5cm x 106cm bandage, carded	12



### Permatex® 1000° Plus™ Exhaust Repair Kit

Complete kit for repairing cracks and splits in mufflers, tailpipes and exhaust pipes. Withstands temperatures over 540°C. Kit contains ready-to-use foil-packed bandage and support wire.

**Suggested Applications:** Mufflers and tailpipes on automobiles, trucks, tractors, and farm equipment.

Item #	Container Size	Pack
PX80334	1 bandage, 1 support wire, carded	12



### Permatex® Muffler & Tailpipe Putty

Permanently repairs holes and leaks in exhaust systems. Seals out fumes at temperatures up to 1000°C. Safe for catalytic converters. 2-pouch bonus pack.

**Suggested Applications:** Mufflers, tailpipes, joints, and catalytic converters.

Item #	Container Size	Pack
PX80333	113g net wt. (2 foil pouches, carded)	12



### Permatex® Muffler & Tailpipe Sealer

Seals holes and leaks in mufflers, tailpipes and around joints. Makes new installations more secure. Resists temperatures to 1000°C.

**Suggested Applications:** Mufflers, tailpipes, joints, and catalytic converters.

Item #	Container Size	Pack
PX80335	85g tube, carded	12

## Fuel Tank & Radiator Repair



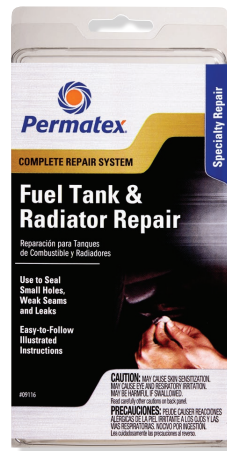
### Permatex® Fuel Tank Repair

A two part, hand kneadable, putty type epoxy stick used for repairing metal gas tanks and containers. Contrasting coloured materials are mixed together to form a uniform colour to indicate thorough mixing. The resulting cured adhesive can be drilled, sanded, threaded or filed and it is resistant to fuels and most solvents after full cure.

**Suggested Applications:** Gas tanks and gas cans.

Item #	Container Size	Pack
PX84334	28g carded	12

*Note: Permatex® Fuel Tank Repair is not intended for repairing Polyethylene and Propylene tanks or for structural bonding.*



### Permatex® Fuel Tank and Radiator Repair Kit

A two-component stick that when kneaded together, it can seal holes, seams or cracks on metal tanks, radiators or gas cans. It provides excellent chemical and moisture resistance and is non-flammable.

**Suggested Applications:** Fuel tank, metal tanks, and radiators. Not recommended for use on PLASTIC gas tanks.

Item #	Container Size	Pack
PX09116	1 kit, clamshelled	6





## Multipurpose & Specialty Lubricants

Widely known and trusted, these tried and true Permatex® lubricants work to protect and lubricate virtually every automotive part and component.

From special-mission, job-specific lubricants, protectants and dressings, to the rigors of heavy-duty needs, count on Permatex® to bring you reliability and problem-solving solutions that extend the life of your equipment.

### Multipurpose Lubricants



#### Permatex® Fast Break® Super Penetrant

Heavy-duty penetrant for rusted and frozen assemblies. Works quickly to penetrate and loosen rust, tar, grease, dirt, carbon deposits and corrosion from metal parts. Frees frozen nuts, bolts and fittings in all types of assemblies. Level 3\*

**Suggested Applications:** Lubricates to free any corroded or seized part. Penetrates rust, scale, paint, varnish, carbon, or gum.

Item #	Container Size	Pack
PX80052	340g aerosol can	12



#### Permatex® Silicone Spray Lubricant

Lubricates and waterproofs all types of mechanical equipment. Stops friction and squeaks. Prevents locks, doors, and windows from binding. High silicone formula does not attract dust or dirt. Protects and renews rubber mountings, bushings and weatherstripping. Prevents binding, sticking and deterioration. Non-gumming. Will not mar paint, rubber or plastic surfaces. Waterproofs. Level 1\*

**Suggested Applications:** Lubricates door locks, trunk lids, brake cables, and rubber moulding.

Item #	Container Size	Pack
PX80070	290g aerosol can	12



#### Permatex® Chain Lube

Cleans, lubricates, extends life, and protects all types of roller chains, gears and cables that operate under exposed conditions. Easy-to-apply foaming action assures effective application. Repels dirt, sand, dust. Minimal "throw-off". Contains no ODC's. Level 3\*

**Suggested Applications:** Ideal for any chain-driven tool or vehicle such as motorcycles, mopeds, chainsaws, lawnmowers, and bicycles.

Item #	Container Size	Pack
PX80075	141g aerosol can	12

## Specialty Lubricants - Belt Dressing



### Permatex® Belt Dressing & Conditioner

Extends belt life. Penetrates the cord fibres of “V” belts to restore pliability and flexibility. Prevents belt slippage due to heat, cold, dampness, dust, and glazing. Eliminates squeaking and slipping. Level 1\*

**Suggested Applications:** Fan belts, water pumps, power steering, sewing machines, washing machines, air conditioners, lawn mowers, and power tools.

Item #	Container Size	Pack
PX80073	340g aerosol can	12

## Specialty Lubricants - Anti-Seize



### Permatex® Anti-Seize Lubricant

A highly refined blend of aluminium, copper, and graphite lubricants. Use during assembly to prevent galling, corrosion, and seizing due to weathering or chemicals. Anti-Seize assures easier disassembly. Temperature range: -51°C to 871°C. Salt, corrosion, and moisture resistant – ideal for marine use. Non-aerosol version meets Mil Spec #907E. Aerosol - Level 3\*

**Suggested Applications:** For easy removal of spark plugs, cylinder head and exhaust head bolts; apply to anchor pins on brake assemblies, u-bolts and spring bolts, hinges, gears, chain, sprockets, and rollers.

Item #	Container Size	Pack
PX80078	236mL brush-top bottle	12
PX81343	28g tube, carded	12
PX81464	240g aerosol can	12



### Permatex® Copper Anti-Seize Lubricant

A premium quality copper anti-seize and thread lubricant that may be used to prevent seizing, corrosion and galling where high temperature conditions exist. Contains a high percentage of micro-fine copper flakes in a semi-synthetic grease carrier and is fortified with high quality rust and corrosion inhibitors. Temperature range: -34°C to 982°C. Provides good electrical conductivity. Meets Mil Spec #907E.

**Suggested Applications:** Spark plug threads installed in aluminium, exhaust manifold bolts, engine bolts, oxygen sensors, knock sensors, thermostat housing bolts, and fuel filter fittings.

Item #	Container Size	Pack
PX09128	226g brush-top bottle	6
PX31163	453.6g brush-top bottle	12

## Specialty Lubricants - Anti-Seize



### Permatex® Nickel Anti-Seize Lubricant

Protects metal parts from seizing and galling at temperatures up to 1316°C. It is recommended where copper contamination must be avoided, under conditions of extreme pressure and temperature, and with stainless steel, titanium, and nickel alloys.

**Suggested Applications:** Exhaust manifold bolts, exhaust system bolts, muffler clamps and tailpipe assemblies.

Item #	Container Size	Pack
PX77124	227g brush-top bottle	12
PX77164	454g brush-top bottle	10

## Specialty Lubricants - Brakes



### Permatex® Ultra Disc Brake Caliper Lube

An environmentally-friendly, green, non-melting, synthetic lubricant. It is formulated to lubricate under the most adverse brake conditions, assuring that critical caliper pins, sleeves, bushings, and pistons remain lubricated throughout pad life.

**Suggested Applications:** Caliper pins, sleeves, bushings, and pistons.

Item #	Container Size	Pack
PX20356	10g (2 x 5g pouches), carded	6
PX85188	14g carded	6



### Permatex® Disc Brake Quiet

Stops brake squeal by dampening vibration at caliper/brake pad interface. Provides tighter fit and allows for easier disassembly. Protects against corrosion. Compatible with anti-lock brake systems.

This product contains an elastomeric polymer for use with brake pads not having anti-squeal shims. Aerosol - Level 3\*

**Suggested Applications:** Automotive disc brakes, out board and inboard pads for disc braking systems, disc brake pads without anti-squeal shims.

Item #	Container Size	Pack
PX80077	255g aerosol can	12



### Permatex® Dielectric Tune-Up Grease

Protects electrical connections and wiring from salt, dirt, and corrosion. Extends the life of bulb sockets. Prevents voltage leakage around any electrical connection. Also prevents spark plugs from fusing to boots. Required for modern, high-energy ignition systems.

**Suggested Applications:** All electrical connections, spark plug boots, and trailer hitches.

Item #	Container Size	Pack
PX22058	85g tube, carded	6
PX81150	9g tube, carded	6

## Specialty Lubricants



### Permatex® Ultra Slick™ Engine Assembly Lube

Proper lubrication of metal mating surfaces is essential prior to starting a new or rebuilt engine. Ultra Slick™ adheres to component surfaces to prevent scuffing and galling during initial start-up. This high quality formulation meets or exceeds performance specs for engine assembly lubricants.

**Suggested Applications:** Engine bearings, camshafts, lifters, valves, guides, and rocker shaft assemblies.

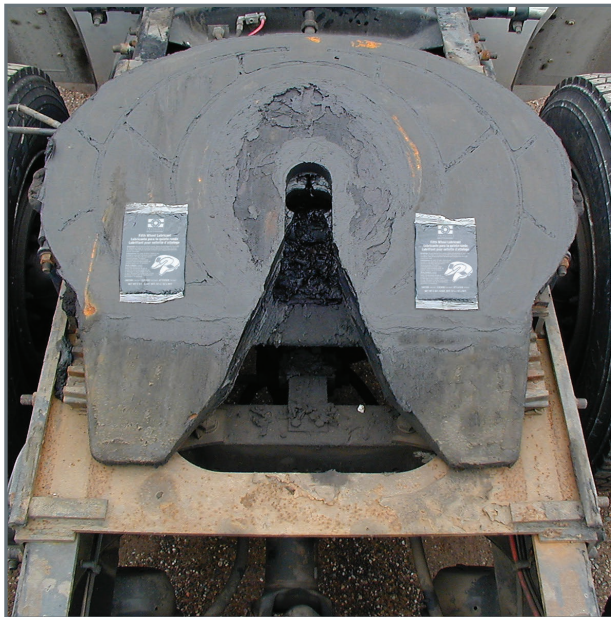
Item #	Container Size	Pack
PX81950	118mL bottle	12

### Permatex® Fifth Wheel Lubricant

Effectively and conveniently lubricates fifth wheel top plates of trailer. Pre-measured grease comes in handy pouch, requires no tools, creates no mess. Packaging disintegrates leaving no waste. Graphite lubricant designed for heavy duty applications and effective at extreme temperatures and environmental conditions.

**Suggested Applications:** All Fifth Wheel applications, sliding and oscillating to all vehicle types.

Item #	Container Size	Pack
PX01010	60pk display carton	4



An easy way to maintain your 5th wheel. Designed by a trucker for a trucker. Simply place one envelope on each side of king pin on trailer or on each side of fifth wheel plate near the base. Lubricant pouch will burst upon engagement between tractor and trailer.

## Cleaners & Specialty Cleaners

Designed to meet the needs of the professionals and DIY'ers alike, our automotive cleaners have gained wide acceptance as the highest quality products of their kind.

To dissolve rust, clean plastic, or remove gum and deposits from parts, there is a Permatex® specialty cleaner that will do the job. Permatex® offers a complete line of professional strength cleaners that meet the highest standards and quality.



### Permatex® Battery Cleaner

Spray it on and wash corrosion off. Works in just three minutes. Penetrates and removes corrosion, dirt, and grime instantly. Cleans all types of storage batteries and attachments in emergency power supply systems. Level 1.

**Suggested Applications:** Automotive, marine, farm machinery and motorcycle batteries, cables, and terminal connections.

Item #	Container Size	Pack
PX80369	163g aerosol can	12



### Permatex® Non-Chlorinated Brake & Parts Cleaner

Penetrates, dissolves and removes dirt and oil from brake systems and metal parts. Safer for aluminium. Leaves no contaminant-attracting residue or chlorinated solvent run-off. Helps manage EPA halide limits.

**Suggested Applications:** All brake systems, C.V. joints, machinery, tools, and farm equipment.

Item #	Container Size	Pack
PX82220	410g aerosol can	12

# Hand Cleaners

Permatex hand cleaners are the choice for working hands offering a wide variety of solutions including, lotions, creams, pastes, soaps, and wipes.

If you need a waterless hand cleaner that really cleans without turning your hands into sandpaper, brands such as the #1 selling Fast Orange, Ultra Cherry, Blue Label, Painter's Clean, and Grease Grabber have the strength to remove grease, grime, paint, adhesives, and all other soils your working hands get into – plus conditioners to prevent your hands from drying out and cracking.

For over 50 years, Permatex® has offered high-quality hand cleaners and has maintained a leadership position through innovation and a concern for users' needs.

Wherever hands are getting dirty, there's a place for Permatex® hand cleaners. To meet your growing needs, Permatex® offers a broad selection of product formulations and sizes.

For the most difficult to remove soils, Permatex® has the best products for your working hands.



*The choice for working hands!*



### Permatex® Fast Orange® Xtreme

A new professional grade formulation delivering superior cleaning power, fast, with less residue, and without a lingering petroleum odour. Contains a concentrated odour neutraliser that counteracts the smell of gasoline, oil, and other common odours. Advanced skin restoration formula with premium skin conditioners: aloe vera, glycerin, lanolin, vitamin E, jojoba oil.

**Suggested Applications:** Removes grease, grime, tar, adhesives, asphalt, carbon, epoxies, tile cement, oil, paint, odours, ink, and much more!

Item #	Container Size	Pack
PX25618	3.78L bottle w/pump	4

Cleaning Requirements	Recommended Permatex Product	Type Of Grit	Cream /Lotion	Biodegradable	Type Of Solvent
<b>Heavy Duty Soils</b>					
	Fast Orange® Xtreme	Pumice	Lotion	No	Natural Citrus/ Petroleum
<b>Heavy to Medium Duty Soils</b>					
	Fast Orange® Pumice Hand Cleaner	Pumice	Cream/Lotion	Yes	Natural Citrus

## Hand Cleaners



### Permatex® Fast Orange® Fine Pumice Lotion Hand Cleaner

The #1 selling, biodegradable, waterless, petroleum solvent-free hand cleaner that contains no harsh chemicals, petroleum solvents, or ammonia that can sting cuts or abrasions. Pure, fresh-smelling natural citrus power does the cleaning. Fortified with aloe, lanolin, glycerin, and other skin conditioners to soothe raw, rough hands. Fine Pumice deep cleans the toughest dirt. Works great on laundry stains (smooth lotion only), scuff marks, tile floors, pet odours, and many other household cleaning needs.

**Suggested Applications:** Resins, oil, grease, tar, grime, soil, printer's ink, epoxies, paint, rubber cement, gasket and tile cements.

Item #	Container Size	Pack
PX25217	1.8L w/pump	6
PX25218	3.78L w/pump	4
PX25122	443mL Rocker Cap™	12
PX95185	20L Cube	1

\* Readily Biodegradable according to OECD Method 301E



# EPOXY GUIDE



**PX84160**



**PX84101**



**PX84107**

## Performance Characteristics

Bond Strength (lbs./sq. inch)	Up to 2500psi	Up to 3400psi	
Set Time	1 min.	5 mins.	30 mins.
Epoxy Color	Clear	Clear	Clear
Temp Range	-51° to 82°C	-51° to 82°C	-51° to 82°C
Water Resistant	Y	Y	Y
Chemical Resistant	Y	Y	Y
Drillable/Sandable/ Paintable	Y	Y	Y
Gap Filling	Y	Y	Y

## Bonding Surfaces

ABS			
Acrylic			
Aluminum			
Brass			
Bronze			
Cast			
Ceramic	•	•	•
Chrome	•	•	
Concrete			•
Copper			
Enamel			
Fabric	•	•	•
Fiberglass	•	•	
Glass	•	•	•
Iron			
Leather	•	•	•
Metal	•	•	•
Pewter			
Plastic	•	v	
Porcelain			
PVC			
Rubber	•	•	•
Stainless Steel			
Steel			
Styrene			
Vinyl			
Wood			

**Notes:** None are recommended for use on polyethylene and polypropylene plastics. When bonding two different materials, choose the PermaPoxy® product that is indicated for both materials.

# EPOXY GUIDE



PX84109, PX84209

PX84115

PX14600

## Performance Characteristics

Bond Strength (lbs./sq. inch)	Up to 4500psi	Up to 3500psi	Up to 3000psi
Set Time	4 mins.	5 mins.	15 mins.
Epoxy Color	Dark Grey	Cream/Black	Grey
Temp Range	-51° to 176°C	-51° to 121°C	-51° to 148°C
Water Resistant	Y	Y	Y
Chemical Resistant	Y	Y	Y
Drillable/Sandable/ Paintable	Y	N	Y
Gap Filling	Y	Y	Y

## Bonding Surfaces

ABS		•	
Acrylic		•	
Aluminum	•		•
Brass	•		•
Bronze			•
Cast	•		
Ceramic			
Chrome	•		
Concrete			
Copper	•		•
Enamel			
Fabric			
Fiberglass		•	
Glass		•	
Iron	•		•
Leather			
Metal	•		•
Pewter	•		•
Plastic		•	
Porcelain			
PVC		•	
Rubber			
Stainless Steel	•		
Steel	•		•
Styrene		•	
Vinyl		•	
Wood		•	

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