



**ALWAYS** RIGHT ON THE JOB.

# **2013** PRODUCT CATALOG

AUTOMOTIVE

FLEET

MARINE

MOTORCYCLE



# OUR HISTORY

In the beginning...the first Permatex product was a shellac designed to bond bicycle tires to their rims. Constant A. Benoit Sr., founder of the Permatex Company, enjoyed going to car races in his spare time. In 1915, Mr. Benoit attended a 24-hour endurance race at the Sheepshead Bay track near his Brooklyn, New York laboratory. He observed that many of the cars were forced to make frequent pit stops to replace blown cylinder head gaskets.



The mechanic for driver Ralph DePalma's car sought Mr. Benoit's help after DePalma's car blew its head gasket for the fourth time. Mr. Benoit applied some of his experimental gasket cement and the DePalma car drove the rest of the 24-hour race without any further gasket problems. On that day, Permatex entered the automotive maintenance chemicals business. The Permatex Company became one of the early leaders in using professional auto racing to prove product performance and to promote sales.

In 1936, American stock-car driver and mechanic Bill France, Sr., assembled a racing engine using only Permatex® Form-A-Gasket® products. Later, Driver Milt Marion won the first race at the Daytona Beach Road Course with the Form-A-Gasket® Test Car # 23. In 1966, the Permatex 300 became only the second race on the NASCAR schedule to be named for a corporate sponsor. The Permatex 300 NASCAR race at the Daytona International Speedway became one of America's premier racing events.

In the mid 1970's, NASCAR superstar Bobby Allison built a late model Chevrolet sportsman engine entirely with Permatex brand threadlockers. The car, built without a single cut gasket or lock washer, ran 300 miles at Alabama International Motor Speedway (Talladega).



Constant Benoit died in 1950 and his son Pete took over the Permatex Company. Pete shifted the company's manufacturing plant from Brooklyn, New York to Kansas City in 1954 - to take advantage of a more central shipping location. Later, preferring Florida's sunny climate, Pete moved the company headquarters to West Palm Beach in 1962. Soon the Permatex Company built a 12,000 square foot corporate and international sales office in West Palm Beach.



The Permatex product line was expanded and the company continued to prosper. In 1972, the Permatex Company was sold to Loctite Corporation. The business was moved to Cleveland, Ohio and integrated with the Woodhill Chemical Company. In the late 1970's, Woodhill Permatex launched Permatex® Blue Silicone which went on to become the largest selling blister carded chemical item in the American auto parts business. In August 1980, the Woodhill Permatex division moved to a brand new 175,000 square foot facility with over 100 employees.

In February 1990, DL Banite, Inc., America's oldest manufacturer of waterless hand cleaners became a part of the Permatex line. Later that year, Permatex launched Fast Orange® citrus hand cleaners, a staple of the Permatex product line and a standard of the emerging citrus hand cleaner industry.



In January of 2001, Permatex finalized the acquisition of the Permatex International Business from Loctite. In 2002, Permatex re-entered the industrial market with a broad range of products including its proprietary waterless hand cleaners; silicone-based sealant and gasketing materials, anaerobic adhesives, epoxies, lubricants and other specialty chemicals.

# Permatex... Since 1909

In December of 2005, Permatex was acquired by ITW (Illinois Tool Works Inc.), a NYSE listed U.S. based corporation. ITW was founded in 1912 and is a Fortune 200 diversified manufacturing company with more than a 90 year history. ITW's decentralized business units in 49 countries employ 50,000 people focused on creating value-added products and innovative customer solutions. In addition, Permatex announced a partnership with Jay Blake and the Follow A Dream® NHRA Racing Team.



As a part of ITW's Performance Polymers & Fluids Group, Permatex continues its commitment to be an innovator and leader in adhesives, sealants and automotive aftermarket maintenance products. Permatex currently operates in the United States, Canada, Mexico, and the U.K. and exports products to more than 85 countries around the world.



In 2009, Permatex celebrated its 100 year anniversary... and another century of quality and innovation.

In 2008, Permatex acquired the South American adhesives and sealants manufacturer, Anaerobicos S.A. and New York-based specialty cleaning products manufacturer, Spray Nine Corporation.



## 100th Anniversary...a century of innovation and leadership in chemical tools.



2009 marked Permatex's 100th year in business. Since 1909, Permatex has been the preferred choice in chemical tools for motorsports teams, professional automotive technicians, performance buffs, and general automotive do-it-yourselfers.

The company offers a wide range of adhesives, sealants, gasket makers, hand cleaners, lubricants, appearance products, specialty repair kits, and additives.

Permatex now has over 350 products making over 1000 SKUs, providing market-specific formulations and application methods for a variety of industries, including automotive, marine, motorcycle, heavy duty, and off highway. The company is constantly working with automakers, parts suppliers, service parts groups, and other aftermarket companies to develop the next generation of service technology.

In addition to product development, Permatex is also focused on developing even more effective support programs for its product lines and distribution partners with new packaging, bilingual clinics and online training for professional and student technicians, product demo videos, category management, expanded website activities, and motorsports sponsorships.

At Permatex, we continue to deliver products that make caring for cars easier and repairs more reliable. From our performance proven "chemical tools" and shop supplies that simplify maintenance and repair to our innovative appearance and additive products that work better and last longer, Permatex delivers best-in-the-business performance and value. As we continue into another century of quality and innovation, we'd like to thank all of our customers for making Permatex the brand they trust to get the job done right.





# INTRODUCTION

## Permatex Defined

- » Customer-driven, cutting-edge products and leading brands...
- » OEM specified...
- » ISO 9001: 2008 certified...
- » NSF Registered...
- » Superior customer service...
- » Technological and merchandising innovations...
- » Award-winning package designs...
- » A variety of promotional campaigns & national advertising support...



These are the elements that define Permatex's automotive product lines, give Permatex the competitive edge and keep Permatex competitive in the market place.

A collage of Permatex advertisements. On the left, a poster titled 'When your customers ask for solutions...' shows various Permatex products. In the center, a poster titled '1ST TIME'S A CHARM.' shows a car with Permatex products. On the right, a poster titled 'Make reliable sockets in just one minute with Permatex® the Right Stuff® GREY.' shows a hand applying a product to a socket. Below these is a large image of a blue and orange Permatex race car with 'Permatex Since 1909' and 'Follow A Dream...' on it.

## Permatex Service

From its Hartford headquarters, Permatex directs a growing global automotive aftermarket enterprise serving North America, the Pacific Rim, South America, Europe, and Africa. Permatex manufacturing plants, distribution centers and offices located in Solon, Ohio are strategically located to help us achieve our growth goals and effectively service our customers.

Many Permatex® products are packaged in our state-of-the-art Manufacturing, Distribution and Technical Center located in Solon, Ohio.

Permatex is committed to conducting its business in a manner which protects the environment and the health and safety of employees, customers and the public. Some related services are:

- » **Material Safety Data Sheets (MSDS):** exceed regulatory requirements and are continuously updated.
- » **Training:** educational support for the safe handling, use, shipping, and disposal of chemicals.
- » **Response Line:** professional responses to queries regarding health, safety, regulations and transport. Off-hours tie-in to Poison Control Centers is also provided.



**Above:** Permatex Manufacturing, Distribution and Technical Center, Solon, Ohio

**Left:** Permatex Headquarters, Hartford, Connecticut

## Permatex Free Training Clinics

Permatex® has organized a dedicated team of trainers who are committed to educating customers and end-users. This unmatched commitment provides free product training clinics that are attended by thousands of automotive technicians, installers, and vocational-technical students each year. These clinics teach people in the automotive repair industry how Permatex® products can help them save time, reduce costs, and increase repair reliability. They learn the proper use of products, repair procedures, and best practices, and receive informative reference materials and free samples. Since 1999, Permatex Sales Representatives have successfully trained more than 100,000 technicians!

Permatex has expanded its training program to now include a focus on student technicians studying at the 1,500+ accredited National Automotive Technicians Education Foundation (NATEF) schools. As part of this effort, we offer a 60 minute in-classroom introductory session on the proper use of Permatex silicones, threadlockers, and thread sealants by knowledgeable and highly trained full-time Technician Advisors. This is not a sales presentation, but rather a live, hands-on training with demonstrations and specific product applications.

After the presentation, a variety of application size products, charts, and handouts are given to the students. There is also an instructor's kit with additional products, a lesson plan, and a DVD for the classes' future reference. These are gifts for the instructor and the students as our way of saying "thank you" for their time and attention. Note, this program also provides credit toward the instructor's continuing automotive service education requirements.

Time being a very limited resource, and travel a major expense, we request combining similar classes to minimize costs, and maximizing our efforts. Our experience has identified the best class size to be 30-50 students. We at Permatex understand the value of training. While most manufacturers have eliminated no-charge training programs, our company is expanding the effort to train the future

ASE certified technicians of tomorrow and to assure the flow of future professional automotive service technicians having been exposed and trained in the proper use of Permatex silicones, threadlockers, and thread sealants.





## INTRODUCTION

### *Gasket Makers*

Changing engine designs have meant new and different gasketing requirements. Extended warranties, engine sensors and new component materials such as aluminum, 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 both import and domestic vehicles of any model year or performance caliber.



## GASKET MAKERS

Permatex Gasketing Product Recommendations	NORTH AMERICAN AUTOMOBILES General Motors, Ford, Chrysler			IMPORT AUTOMOBILES Acura, Honda, Hyundai, Isuzu, Mazda, Mitsubishi, Nissan, Subaru, Toyota	
	Ultra Black®	Ultra Blue®	Ultra Copper®	Ultra Grey®	Ultra Copper®
	STANDARD PERFORMANCE			HIGH PERFORMANCE	
GASKETING APPLICATIONS					
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	×	×	×	×	×



SEALANT FEATURES	Permatex® Form-A-Gasket® No. 1	Permatex® Form-A-Gasket® No. 2	Permatex® Aviation Form-A-Gasket®	Permatex® Indian Head®	Permatex® Tack & Seal™	Permatex® High Tack 97/98	Permatex® High Tack 99	Permatex® Copper Spray-A-Gasket®	Permatex® Ultra Rubber Gasket Sealant & Dressing
Import OE Endorsed	—	—	—	—	—	—	×	—	×
Non-Hardening Formula	—	×	×	—	×	×	×	—	×
Hardening Formula	×	—	—	×	—	—	×	—	—
Thread Sealant	×	×	×	—	×	—	×	—	×
For Gasket Positioning	—	—	—	—	×	×	×	×	×
Gasket Sealant	×	×	×	×	×	—	×	×	×
High Pressure Resistance	×	×	×	—	×	×	×	—	×
Sensor-Safe	×	×	×	×	×	×	×	×	×

RTV (Room Temperature Vulcanizing) Silicone cures at standard room temperatures. It is a flexible material that can be shaped then dries into a solid seal.



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™!*

**OEM specified.** 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™**

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

Item #	Container Size	Pack
25229	3 oz. Power Can, carded	6
25238	3 oz. Power Can, carded - GREY	6



Item # 25229



Item # 25238



## GASKET MAKERS — the Right Stuff®



### Permatex® the Right Stuff® Gasket Maker

Make leak-proof gaskets and return equipment to service immediately! Permatex' premier instant gasket maker was designed as a replacement for conventional gaskets. This 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, this material is used on OEM production lines and specified in their service parts programs. Temperature range -75 °F to 450 °F (-59 °C to 232 °C) continuous, 500 °F (260 °C) intermittent; resists ATF, coolant, oil and other shop fluids. Sensor-safe. Fleet-tested.

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

Item #	Container Size	Pack
25229	3 oz. Power Can, carded	6
25223	4 oz. Power Can	6
25224	7 oz. Power Can	6
85224	7.5 oz. PowerBead™ pressurized can	6
29208	5 oz. cartridge	6
33694	10.1 fl. oz. cartridge	6
99070	5 oz. cartridge, 2 pack w/caulking gun	4
800368	short caulking gun	6

### Performance Scorecard

Parameter	Cut Gaskets	the Right Stuff®
Reliability, Durability	FAIR	EXCELLENT
ATF/Oil /Coolant /Temp. Resistance	POOR	EXCELLENT
Seals Consistently	FAIR	YES
OEM Approved/ Specified	YES	YES
Sensor Safe	YES	EXCELLENT
Ability to seal scored surfaces	POOR	EXCELLENT
Ability to tighten/ retighten bolts without concern of overtightening	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 pre-cut gaskets. Specified by major import OEMs, this material is resistant to powertrain fluids (oil, coolant, and ATF) and operates in environments to 450 °F (232 °C) continuous; 500 °F (260 °C) intermittent.

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

Item #	Container Size	Pack
25238	3 oz. Power Can, carded	6
85144	7.5 oz. PowerBead™ pressurized can	6
34311	5 oz. cartridge	6
34310	10.1 fl. oz. cartridge	6
800368	short caulking gun	6

## ULTRA SERIES Gasket Makers



Groundbreaking research and testing by Permatex helped to develop the Ultra Series — the second generation of automotive silicone technology designed to meet or exceed OEM specifications while offering superior oil resistance and improved adhesion.

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

**OEM specified.** For dealership warranty requirements, Ultra Black® ensures extended drivetrain warranty compliance. Fast-curing formula. Sensor-safe, low odor, noncorrosive. Meets performance specs of OE silicone gaskets. Retains high flexibility, oil resistant properties through use of a patented adhesion system. Temperature range -65 °F to 500 °F (-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, differential covers

Item #	Container Size	Pack
22072	.5 oz. tube, carded	6
82180	3.35 oz. tube, carded	12
82080	8.75 oz. Power Can	6
85080	9.5 oz. PowerBead™ can	6
24105	13 oz. cartridge	12

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

**OEM specified.** For high operating temperatures common in 4-cylinder, turbocharged or high-performance engines. The most advanced, high temp RTV silicone gasket available. Sensor-safe, low odor, noncorrosive. Superior adhesion. Three times more oil resistant than conventional silicones; eight times more flexible than cut gaskets. Temperature range -65 °F to 700 °F (-54 °C to 371 °C) intermittent; resists auto and shop fluids and vibration.

**Suggested Applications:** Exhaust manifolds/headers, valve covers, oil pans, timing covers, water pumps, thermostat housings

Item #	Container Size	Pack
81878	3 oz. tube, carded	12

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

**OEM specified.** Permatex® Ultra silicones were developed to meet today's technology changes. Sensor-safe, low odor, noncorrosive. 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 -65 °F to 500 °F (-54 °C to 260 °C) intermittent; resists auto and shop fluids and vibration.

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

Item #	Container Size	Pack
22074	.5 oz. tube, carded	6
82194	3.5 oz. tube, carded	12
85084	9.5 oz. PowerBead™ can	6
82195	13 oz. cartridge	6

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

**OEM specified.** Designed specially for high-torque and high vibration applications, like those common in import engines, this premium RTV gasket maker exceeds manufacturers' performance requirements. Sensorsafe, low odor, and noncorrosive. Maximum vibration resistance, with outstanding resistance to oils, cooling and shop fluids. Guaranteed not to leak. Temperature range -65 °F to 500 °F (-54 °C to 260 °C) intermittent.

**Suggested Applications:** Valve covers, oil pans, timing covers, differential covers

Item #	Container Size	Pack
81724	3.35 oz. tube, carded	12
85519	9.5 oz. PowerBead™ can	6
81725	13 oz. cartridge	12



## Gasket Makers



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

**OEM specified.** The original Permatex Blue now with low odor 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 -65 °F to 500 °F (-54 °C to 260 °C) intermittent; resists auto and shop fluids.

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

Item #	Container Size	Pack
80022	3 oz. tube, carded	12
81860	7.25 oz. Power Can	6
80628	12.9 oz. cartridge	12



### Permatex® High-Temp Red RTV Silicone Gasket

**OEM specified.** Formulated for hi-temp applications, or heavy-duty use (such as towing, etc.). Replaces almost any cut gasket by making reliable “formed-in-place” gaskets that resist cracking, shrinking and migrating caused by thermal cycling. Coats pre-cut gaskets to increase reliability. Temperature range -65 °F to 650 °F (-54 °C to 343 °C) intermittent; resists auto and shop fluids.

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

Item #	Container Size	Pack
81160	3 oz. tube, carded	12
81915	7.25 oz. Power Can	12
85915	7.25 oz. PowerBead™ can	6
81409	11 oz. cartridge	12



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

The high temp first generation gasket maker formulated for oxygen sensor equipped engines. Temperature range of -65 °F to 650 °F (-54 °C to 343 °C) intermittent; resists auto and shop fluids.

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

Item #	Container Size	Pack
81422	3 oz. tube, carded	12



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

A noncorrosive, 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
22071	.5 oz. tube, carded	6



### Permatex® Automatic Transmission RTV Gasket Maker

**OEM specified.** Developed with U.S. automotive OEMs and complies with extended warranty requirements. It resists aging, weathering and thermal cycling without hardening, shrinking or cracking. Benefits include improved transmission oil resistance, good adhesion while retaining flexibility, sensor-safe, noncorrosive and can be used as a gasket maker or dressing. Nonflammable, nontoxic, low odor.

**Suggested Applications:** Automatic transmission pans, case halves, inside covers

Item #	Container Size	Pack
81180	3 oz. tube, carded	12



### Permatex® Gear Oil RTV Gasket Maker

**OEM specified.** 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 OEM specifications to ensure complete sealing. As a gasket maker, it seeks and seals leak paths that cut gaskets cannot. It can also be used to seal cut gaskets.

**Suggested Applications:** Differentials and transfer cases

Item #	Container Size	Pack
81182	3 oz. tube, carded	6
81184	5 fl. oz. cartridge	6
800368	short caulking gun	6

*The ULTIMATE Dispensing System*

**POWER** *Bead*



**Gasket Makers & Sealants Made Easier**

Our patented PowerBead™ Dispenser gives you enduring reliability with the ultimate in pinpoint control, outstanding product performance and ease of use.

- 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 internal orifices, unlike standard tilt valves, which only open a few. Your benefit...virtually no clogging and smoother product flow with better control.





## Anaerobic Gasket Makers & Flange Sealants



### Permatex® Anaerobic Gasket Maker

**OEM specified.** Noncorrosive gasketing material designed primarily for use on aluminum, iron, and steel flanged mating surfaces. Ideal for on-the-spot and emergency repairs, or when a conventional gasket is unavailable. Fills gaps up to .015" 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 a simple putty knife.

**Suggested Applications:** For use on machined aluminum metal components; transmission pans, transmission case covers, transaxle casings, axle covers, gear cases, split crankcases, pumps, housings, and with oring replacement.



Item #	Container Size	Pack
51817	6 ml tube, carded	12
51813	50 ml tube, carded	6
51845	300 ml cartridge	10



### Permatex® High Temperature Anaerobic Flange Sealant

A high temperature sealant specially engineered for making or dressing gaskets in rigid assemblies. Able to withstand temperatures to 400 °F (204 °C), fills gaps up to 0.020" (primed) and permits clamping loads to be maintained for strong, leakproof assemblies.

**Suggested Applications:** Water pumps, thermostat housings, engine cases, timing covers, transmission pans, transmission case covers, transaxle casings, o-ring replacement

Item #	Container Size	Pack
51031	50 ml tube	10



### Permatex® Anaerobic Flange Sealant

Flexible, gasketing material for use on rigid machined flanges with less than .015" gap. OEM approved – use where OE's specify "anaerobic" gasket (cures in the absence of air). Withstands temperatures to 300 °F (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, transaxle casings, o-ring replacement

Item #	Container Size	Pack
51531	50 ml tube	10
51580	300 ml cartridge	10



## 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 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 recommended for use on silicone gaskets. Level 2

**Suggested Applications:** Removes solvent-based gasketing, anaerobic gasketing and gasket sealant products including all Permatex® Form-A-Gasket®, Spray-A-Gasket®, Indian Head®, High Tack™ Gasket Sealants and Dressings, baked-on gaskets and cements, and formed-in-place gaskets

Item #	Container Size	Pack
80645	4 oz. Power Can with brush-tip nozzle, stand-up carded	6

\* Can be used in all 50 states.



### Permatex® RTV Silicone Dissolver

OEM approved. This patented gel formula dissolves and completely removes RTV silicone residue in only a matter of minutes...letting the powerful chemical do the work for you. No grinding required. It's also safe for use on aluminum and other surfaces such a metal or plastic.

**Suggested Applications:** Removes residue from all Permatex® silicones, including the Right Stuff™, Ultra Series and RTV products.

Item #	Container Size	Pack
80652	2.7 fl . oz. tube, carded	12



### Permatex® SaferScrapper™ Plastic Scraper

A safer alternative to metal razor blades...this specially designed hard plastic double-edged razor blade can be used for a variety of cleaning and scraping applications. Ideal for removing decals, bugs, tar and paint without scratching or harming the body paint underneath. Also great for removing gaskets from a plastic or aluminum flange. The durable plastic holder is designed to fit well in the hand for extra flexibility and fits standard metal razor blades if the job requires it.

**Suggested Applications:** Removes solvent-based sealants, baked-on gaskets, weatherstrip adhesive, dried oil, grease and paint

Item #	Container Size	Pack
80190	Long handled scraper & 2 refillable blades, carded	12



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 other damaging fluids. Withstands temperatures 350 °F (177 °C) continuous, 400 °F (204 °C) intermittent.

**Suggested Applications:** Transmission case halves, valve covers, center and end covers (transmissions), crank case halves, cam covers, exhaust manifold seals, timing chain cases, side covers, clutch housings

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

Item #	Container Size	Pack
29132	2.7 oz. tube, carded	6

## 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 -60° to 500 °F (-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, fuel injectors and pumps, oil pans (cast), head gaskets, water pumps, bearing caps/brackets, gearboxes, hydraulic drives/motors, torque converters, timing cases, inlet manifolds, valves, etc.

Item #	Container Size	Pack
85420	2 oz. 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 -65 °F to 400 °F (-54 °C to 204 °C); resists common shop fluids and fuels.

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

Item #	Container Size	Pack
80007	1.5 oz. tube, carded	12
80008	3 oz. tube, carded	12
80003	11 oz. tube, boxed	12



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

Slow-drying, non-hardening brush-top sealant approved for use in aviation as well as automotive applications. Temperature range -65 °F to 400 °F (-54 °C to 204 °C); resists gasoline, oil and grease.

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

Item #	Container Size	Pack
80015	1.5 oz. tube, carded	12
80016	3 oz. tube, carded	12
80011	11 oz. tube, boxed	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 -65 °F to 400 °F (-54 °C to 204 °C); resists gasoline, oil and grease.

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

Item #	Container Size	Pack
80018	2 oz. bottle	12
80019	4 oz. bottle	12
80017	16 oz. bottle	12



### Permatex® Super "300" Form-A-Gasket® Sealant

Non-hardening sealant designed to resist heat transfer fluids such as oil or antifreeze. Temperature range -65 °F to 400 °F (-54 °C to 204 °C); resists antifreeze, aviation fuels, aggressive detergent bearing oils and lubricants.

**Suggested Applications:** Valve cover gaskets, compressors, diesel engine heads

Item #	Container Size	Pack
80057	4 oz. bottle	12



### Permatex® Indian Head® Gasket Shellac Compound

The original quality formula, a hard setting, economical sealant. Seals all common gasketing materials in low temperature and low pressure applications. Temperature range -65 °F to 350 °F (-54 °C to 177 °C); resists diesel fuels and most shop fluids.

**Suggested Applications:** Hose connections, paper and cardboard gaskets

Item #	Container Size	Pack
20539	2 oz. 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 -50 °F to 500 °F (-45 °C to 260 °C); resists all types of automotive fluids, especially gasoline. Level 3

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

Item #	Container Size	Pack
80697	12 oz. aerosol can, 9 oz. net wt.	12

\*NFPA Fire Code 30B



## Gasket Sealants



### Permatex® Ultra Rubber Gasket Sealant & Dressing

Formulated specially for rubber gaskets, it conditions gaskets for longer life and seals potential leak paths. It also functions to hold gaskets in place during installation. The non-hardening, soft-setting formula makes gasket repositioning quick and easy. Provides outstanding oil and fluid resistance. Temperature range -65 °F to 400 °F (-54 °C to 204 °C).

**Suggested Applications:** Designed for use on all cut and formed rubber gaskets, but also great to condition and extend the life of composite, paper and cork gaskets.

Item #	Container Size	Pack
85409	1 oz. tube, carded	6



### Permatex® Tack & Seal™ Gasket Sealant

Non-hardening for easy disassembly. Keeps large gaskets in place during positioning and assembly. "Clean hands" formula won't stain. Temperature range -65 °F to 400 °F (-54 °C to 204 °C); resists engine fluids including diesel fuels and synthetic oils.

**Suggested Applications:** Seals air conditioning, fuel fittings, radiator hoses, PVC fittings and cork, paper, cardboard, felt and metal gaskets

Item #	Container Size	Pack
80938	1.25 oz. tube, carded	12



### Permatex® High Tack™ Gasket Sealant and High Tack™ Spray-A-Gasket™ Sealant

Fast-drying all-purpose sealant dries to a highly tacky, non-brittle film. A reliable general adhesive remains tacky indefinitely – can be applied in advance for convenience in assembly. Remains effective at temperatures of -65 °F to 500 °F (-54 °C to 260 °C). Sensor-safe. Resists gasoline, oil, antifreeze, axle lube, kerosene, propane and butane.

**Suggested Applications:** Valve covers, fuel pumps, carburetors, manifold gaskets; Spray-A-Gasket® seals all felt, cork, metal, paper, and rubber

Item #	Container Size	Pack
80062	4 oz. brush-top can	12
80063	16 oz. brush-top can	12
80064	6 oz. aerosol can, 4 oz. net wt.	12
80065	12 oz. aerosol can, 9 oz. net wt.	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 -65 °F to 400 °F (-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
80060	1.75 oz. 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. Specified by automotive OEMs and approved for use on factory assembly lines, Threadlockers apply as liquids or gels, filling the space between threaded metal parts, curing 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.	Color	Viscosity cP	Fasteners	Torque in lbs.* 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 1/4" (6mm)	62/27	20 min. (24 hrs.)	5 min.	-65° to 300°F (-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>	19960 24206 24200 24240 24283	Blue	1,200/6,000 Thixotropic	1/4" to 3/4" (6-20mm)	115/53	20 min. (24 hrs.)	5 min.	-65° to 300°F (-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 caliper bolts.
<b>Permatex® Surface Insensitive Threadlocker BLUE</b>	24027 24300	Blue	2,250/12,000 Thixotropic	1/4" to 3/4" (6-20mm)	180/62	20 min. (24 hrs.)	5 min.	-65° to 300°F (-54° to 149°C)	Applied before assembly for oil pan bolts, valve and cam cover bolts, intake bolts, disc brake caliper bolts, alternator mounting bolts, rocker studs.
<b>Permatex® Permanent Strength Threadlocker RED</b>	19962	Red	1,800/5,000 Thixotropic	3/8" to 1" (10-25mm)	189/275	20 min. (24 hrs.)	5 min.	-65° to 300°F (-54° to 149°C)	Applied before assembly of air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts.
<b>Permatex® Permanent Strength Threadlocker RED &amp; Cup/Core Plug Sealant Retaining Compound</b>	26240	Red	1,800/5,000 Thixotropic	3/8" to 1" (10-25mm)	189/275	20 min. (24 hrs.)	5 min.	-65° to 300°F (-54° to 149°C)	Applied before assembly of air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts, frame bolts, shock absorber bolts
<b>Permatex® High Strength Threadlocker RED</b>	27100 27140 27183	Red	500	3/8" to 1" (10-25mm)	230/225	20 min. (24 hrs.)	5 min.	-65° to 300°F (-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>	24026 27200 27240	Red	10,000	3/8" to 1-1/2" (10-38mm)	180/270	30 min. (24 hrs.)	5 min.	-65° to 450°F (-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>	27710 27740	Red	7,000	1" and over (25mm+)	250/200	60 min. (24 hrs.)	5 min.	-65° to 300°F (-54° to 149°C)	Applied before assembly for frame brackets, suspension fasteners, shock absorber mount, wheel studs.
<b>Permatex® Penetrating Grade Threadlocker GREEN</b>	29000 29010 29040	Green	12	#2 to 1/2" (2.2-12mm)	90/310	20 min. (24 hrs.)	3 min.	-65° to 300°F (-54° to 149°C)	Applied AFTER assembly for carb adjustment screws; distributor bolts; preassembled nuts and bolts; set screws.

Thixotropic: resists dripping from threads during assembly

\* 3/8"-phosphate steel

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



## Threadlocker Gels

### Permatex® High Strength Threadlocker RED Gel

**OEM specified.** Gel formula provides “liquid-reliability” without drips, globs, mess or waste. Available in three convenient sizes, the GEL TWIST™ pin-point applicator, the GEL SQUEEZE™ applicator, or the single-use pouch puts the Threadlocker right where you want it... on the part! High strength threadlocker for heavy-duty applications 3/8 inch to 1 inch (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, shock absorber bolts; also ideal for vertical applications

Item #	Container Size	Pack
27010	10 g GEL TWIST™ applicator, carded	6
27005	5 g GEL SQUEEZE™ applicator, carded	6
09979	1 g pouch	480



### Permatex® Medium Strength Threadlocker BLUE Gel

**OEM specified.** Gel formula provides “liquid-reliability” without drips, globs, mess or waste. Available in three convenient sizes, the GEL TWIST™ pin-point applicator, the GEL SQUEEZE™ applicator, or the single-use pouch puts the Threadlocker right where you want it... on the part! All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 1/4” to 3/4” (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, carburetor studs; also ideal for vertical applications

Item #	Container Size	Pack
24010	10 g GEL TWIST™ applicator, carded	6
24005	5 g GEL SQUEEZE™ applicator, carded	6
09978	1 g pouch	480



### Permatex® Multipack Threadlocker Assortment

Variety pack of popular threadlocker formulas in convenient 0.5 ml pipettes. Offers user the choice of low, medium or high strength product for various applications in a right size package. Re-usable pipettes are a great choice for professionals with small jobs or occasional users.

**Suggested Applications:** Oil pan bolts, shock absorber mounts, hub and shaft assemblies, cup & core plugs, transmission shaft bolts, etc.

Item #	Container Size	Pack
29520	1.5 ml (3 - 0.5 ml pipettes), carded	6



### Permatex® Plastic Threadlocker

A threadlocker just for plastics! Plastic Threadlocker fills small gaps and sets fast so parts can be used quickly. Won't harm fasteners or other plastics and is low strength so that removal is easy. A needle tip bottle allows pinpoint product application and a pin in cap feature keeps unused product from clogging.

**Suggested Applications:** Headlight screws, console assemblies, soundproofing, attachment screws, electrical component boxes, plastic knobs, hose fasteners, dashboard accessories, etc.

Item #	Container Size	Pack
19920	10 g bottle, carded	6

## Anaerobic Threadlockers



### Permatex® Low Strength Threadlocker PURPLE

**OEM specified.** Low strength threadlocker designed for fasteners under 1/4" (6mm) that require occasional adjustment. Removable with hand tools for easy disassembly. Noncorrosive. 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, fine threads

OEM INTERCHANGE, see pgs. 76-81

Item #	Container Size	Pack
24024	6 ml tube, carded	6



### Permatex® Surface Insensitive Threadlocker BLUE

**OEM specified.** Medium/high strength threadlocker for general-purpose applications. Especially well-suited for 1/4" to 3/4" (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. 76-81

Item #	Container Size	Pack
24027	6 ml tube, carded	6
24300	10 ml bottle, carded	12



### Permatex® Permanent Strength Threadlocker RED

**OEM specified.** A permanent, high strength product that is applied to fasteners 3/8" to 1" (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, transmission shaft bolts

OEM INTERCHANGE, see pgs. 76-81

Item #	Container Size	Pack
19962	6 ml tube, carded	12



### Permatex® Medium Strength Threadlocker BLUE

**OEM specified.** All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 1/4" to 3/4" (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, carburetor studs

OEM INTERCHANGE, see pgs. 76-81

Item #	Container Size	Pack
19967	.5 ml pipette, polybagged (24 pieces / 20 bags)	480
24206	2.5 ml bottle, carded	6
24200	6 ml tube, carded	12
24240	36 ml bottle, carded	6
24283	90 ml bottle	6



### Permatex® Permanent Strength Threadlocker RED & Cup/Core Plug Sealant Retaining Compound

**Dual Purpose.** A permanent, high strength product that is applied to fasteners 3/8" to 1" (10mm to 25mm) in size before assembly. Designed for securing parts that must withstand heavy shock, vibration, or extreme chemical or environmental conditions. Also used for sealing and securing cylindrical metal assemblies. 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, transmission shaft bolts; engine block cup and core plugs, water pump seals, hub and shaft assemblies

OEM INTERCHANGE, see pgs. 76-81

Item #	Container Size	Pack
26240	36 ml bottle, carded	6



## Anaerobic Threadlockers



### Permatex® High Strength Threadlocker RED

**OEM specified.** High strength threadlocker for heavy-duty applications 3/8 inch to 1 inch (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, shock absorber bolts

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
19968	.5 ml pipette, polybagged (24 pieces / 20 bags)	480
27100	6 ml tube, carded	12
27140	36 ml bottle, carded	6
27183	90 ml bottle	6



### Permatex® High Temperature Threadlocker RED

**OEM specified.** High temperature/high strength threadlocker for heavy-duty applications. Prevents bolts and press fits 3/8" to 1-1/2" (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 450 °F (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. 76-81**

Item #	Container Size	Pack
24026	6 ml tube, carded	6
27200	10 ml bottle, carded	12
27240	36 ml bottle, carded	6



### Permatex® Large Diameter Threadlocker RED

**OEM specified.** A high strength adhesive for locking and sealing large bolts and stud 1" (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. 76-81**

Item #	Container Size	Pack
27740	36 ml bottle, carded	6



### Permatex® Penetrating Grade Threadlocker GREEN

**OEM specified.** A low viscosity threadlocking liquid that wicks along the threads of preassembled fasteners to secure them in place. Since it is applied after assembly, preventive maintenance procedures are simplified. Ideal for fasteners ranging from #2 to 1/2" (2.2 to 12mm) in size. Localized heating and hand tools are needed for disassembly. Conforms to ASTM D5363 AN0261 (Mil-S-46163A, Type III, Grade R).



Nonfood Compounds Program Listed (P1) (134525)

**Suggested**

**Applications:** Bolts on alternators, air conditioning belts and distributor clamps, carburetor adjustment screws, hairline cracks

Item #	Container Size	Pack
29000	6 ml tube, carded	12
29040	36 ml bottle, carded	6

## INTRODUCTION

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.	Color	Viscosity cP	Seal to Operating Pressure	Temperature Range	Use/Common Applications
<b>Permatex® Pneumatic/Hydraulic Sealant</b>	54540	Purple	14,000	4 hrs.	-65° to 300°F (-54° to 149°C)	Pneumatic/Hydraulic sealant designed to cure more reliably on oily surfaces. Will not contaminate fine filter systems.
<b>Permatex® High Performance Thread Sealant</b>	56521	White	300,000	4 hrs.	-65° to 300°F (-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.
<b>Permatex® High Temperature Thread Sealant</b>	59214 59235	White	350,000	4 hrs.	-65° to 400°F (-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.
<b>Permatex® Thread Sealant with PTFE</b>	80631 80632 80633	White	55,000	Instant/ Non-Curing	-65° to 300°F (-54° to 149°C)	General purpose fitting sealant. Outperforms tapes and pipe dopes. Seals and resists pressure in air, oil, diesel fuel and hydraulic systems. Remains pliable at higher and lower temperatures. Ideal for air conditioning fittings, temperature sending fittings, hydraulic fittings
<b>Permatex® Pipe Joint Compound</b>	80044 80045	Black	40,000	Instant/ Non-Curing	-65° to 400°F (-54° to 204°C)	Lubricates and seals threaded joints on water, oil and fuel lines. Resists common shop fluids.



## Thread Sealants



### Permatex® High Performance Thread Sealant

**OEM specified.** 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, fuel fittings

**OEM INTERCHANGE, see pgs. 76-81**



Nonfood Compounds Program Listed (P1) (134525)

Item #	Container Size	Pack
56521	50 ml tube, carded	6



### Permatex® High Temperature Thread Sealant

**OEM specified.** 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 -65 °F to 400 °F (-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. 76-81**

Item #	Container Size	Pack
59214	6 ml tube, carded	12
59235	50 ml tube, carded	6



### Permatex® Thread Sealant with PTFE

Economical general-purpose fitting sealant. Outperforms tapes and pipe dopes. Seals and resists pressure in air, oil, diesel fuel and hydraulic systems. Remains pliable at higher and lower temperatures. Temperature range -65 °F to 300 °F (-54 °C to 149 °C); resists common shop fluids.

**Suggested Applications:** Air conditioning fittings, temperature sending fittings, hydraulic fittings

Item #	Container Size	Pack
80631	1 oz. tube, carded	12
80632	4 oz. bottle	12
80633	16 oz. can	12



### Permatex® Pneumatic/Hydraulic Sealant

**OEM specified.** 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, PTO fittings

Item #	Container Size	Pack
54540	36 ml bottle, carded	6



### Permatex® Pipe Joint Compound

Universal sealant. Lubricates and seals threaded joints on water, oil and fuel lines. Temperature range -65 °F to 400 °F (-54 °C to 204 °C); resists common shop fluids.

**Suggested Applications:** Thread fittings, plumbing applications

Item #	Container Size	Pack
80045	16 oz. bottle	12

*Not for sale or use in the state of California.*

## Activator



### Permatex® Surface Prep Activator for Anaerobics

Speeds cure of Permatex® Threadlockers, Thread Sealants, Retaining Compounds, and Anaerobic Gasket Makers by 50%. Increases threadlocker strength. Recommended for use during cold weather. General-purpose solvent for cleaning and preparing parts and surfaces. Level 1

**Suggested Applications:** All anaerobic applications



Item #	Container Size	Pack
24163	6 oz. aerosol can, 4.5 oz. net wt.	6

\*NFPA Fire code 30B



## 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. 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.	Color	Max Gap Fill (Diametral)	Viscosity cP	Shear Strength	Temperature Range	Cure - Steel Fixture (Full)	Use/Common Applications
Permatex® Bearing Mount For Close Fits	60910 60950	Green	.005"	125	3,000 PSI	-65° to 300°F (-54° to 149°C)	10 min. (24 hrs.)	Bushings, bearings, oil seals, ring gear bolts, differential lock pins
Permatex® High Temperature Sleeve Retainer	64000 64040	Green	.007"	600	3,000 PSI	-65° to 400°F (-54° to 204°C)	1 hr (24 hrs.)	Valve guides, woodruff keys, bearings and bushings, reanchoring studs, pins and sleeves.
Permatex® Bearing Mount For Relaxed Fits	68050	Green	.015"	1,250	2,800 PSI	-65° to 300°F (-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 Worn Parts	20297	Grey	.020"	1,200,000	3,000 PSI	-65° to 300°F (-54° to 149°C)	10 min. (1-2 hrs.)	Refitting worn shafts and housings, repair worn keyways, repair loose set screws, refit worn couplings, form-in-place shims



## Retaining Compounds



### Permatex® High Temperature Sleeve Retainer

**OEM specified.** High temperature, up to 400 °F (204 °C), anaerobic adhesive that secures slip and press fit assemblies. Adds up to 3,000 PSI holding power. Restores fit to worn or out-of-tolerance assemblies. Prevents surface corrosion. Conforms to ASTM D5363 AN0411 (Mil-R-46082, Type II).

**Suggested Applications:** Cylinder sleeves, valve guides, valve seats, bearings and bushings, woodruff keys, liner assemblies

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
64000	6 ml tube, carded	12
64040	36 ml bottle, carded	6



### Permatex® Bearing Mount for Close Fits

**OEM specified.** A low viscosity, rapid-curing anaerobic 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, differential lock pins

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
60950	50 ml bottle	6



### Permatex® Bearing Mount for Relaxed Fits

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

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

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
68050	50 ml bottle	6



Nonfood Compounds  
Program Listed (P1)  
(134528)



### Permatex® Bearing Mount for Worn Parts

**OEM specified.** A creamy, non-running adhesive used between parts to repair large gaps and severely worn parts. Adds up to 3,000 PSI holding power. Fills gaps to .020" in diameter. Use to 300 °F (149 °C). Very rapid cure.

**Suggested Applications:** Refitting worn shafts and housings, repair worn keyways, repair loose set screws, refit worn couplings, form-in-place shims

Item #	Container Size	Pack
20297	6 ml tube, carded	6

**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® Ultra Bond™ Super Glue**

Designed to meet the most demanding automotive adhesive needs, this premium high performance super glue provides a stronger, faster-acting and longer lasting bond. Works on porous and nonporous materials including metal, most plastics, laminated plastics, vinyl, rubber, ceramics, paper, wood, textiles, leather, synthetic leather, cork and chipboard. Permanent, transparent bond fills gaps to .004". Convenient 5 g clog-free nozzle bottle keeps fingers glue-free. Outperforms regular super glues.

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

Item #	Container Size	Pack
21309	5g bottle, carded	6





## 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 nonporous materials including metal, plastics, rubber, vinyl, paper, wood, and textiles. Permanent, transparent bond fills gaps to .004"

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

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
49450	1 oz bottle, carded	10
82190	2 g tube, carded	12
49550	1 oz. bottle, Class 1, Type II*	10
49650	1 oz. bottle, Class 2, Type I*	10

\* Meets Gov. Mil-A-46050C



### 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 nonporous materials including metal, rubber, glass, aluminum, vinyl, ceramics, alloys, and plastics. Fills gaps to .004"

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

Item #	Container Size	Pack
82191	2 g tube, carded	12



### Dr. Bond® Plastic Bonder

Repairs any automotive plastic. No mixing required. Prepare the surface with the activator, apply the bonding agent, and bond the parts.

**Suggested Applications:** All plastics, even polyethylene and polypropylene

Item #	Container Size	Pack
82565	2 g tube & 2.9 ml bottle, carded	6



### Dr. Bond® Super Glue and Super Glue Gel

This super strong, super fast adhesive bonds materials in seconds. One drop does the job. It makes permanent repairs to almost all nonporous surfaces including metal, laminated plastics, rubber, ceramics, and china. Permanent, transparent bond fills gaps to .004"

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

Item #	Container Size	Pack
81737	2 g tube, carded (space-saver)	6
81742	2 g tube, 2-pack carded (space-saver)	6
85742	Gel, 2 g tube, 2-pack carded (space-saver)	6

Epoxies



**Permatex® Fast Cure Epoxy**

Convenient premeasured epoxy mixer cups contain resin and hardener in one convenient package. No guess, no mess, no waste. Ideal for bonding glass, hard plastics, rubber and metal. Bonds in 5-15 minutes, useable in 30 minutes. Grey adhesive has excellent chemical resistance. Fills porosities and can be used to build up worn parts. May be drilled, tapped, sanded, or machined and painted after cure.

**Suggested Applications:** Repairs loose auto trim, broken grills, ornaments, loose door glass channels and fills casting cracks and holes

Item #	Container Size	Pack
21425	10 - 4 g mixer cups, canister	10



**Fast Cure Epoxy Cups**  
are this easy to use...



**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, bronze, aluminum and copper. Once cured, it can be drilled, tapped, threaded, filed, sanded and painted. Resists most automotive, shop and cleaning fluids. Withstands temperatures to 300 °F intermittent. Over 3,000 PSI shear strength on steel.

**Suggested Applications:** Aluminum, steel, brass, bronze, castings and stampings

Item #	Container Size	Pack
14600	2-1 oz. tubes, carded	12



**Permatex® PermaPoxy™ 4 Minute Multi-Metal Epoxy Stick**

This two part, hand kneadable, putty type epoxy has contrasting colored materials that are mixed together to form a uniform color to indicate thorough mixing. Eliminates the need for welding or brazing. Holds in four minutes, useable in 30 minutes. Dark grey appearance. Temperature range -40 °F to 350 °F (-40 °C to 176 °C). When cured, can be drilled, sanded, threaded or filed. Resistant to fuels and solvents after full cure. Permanent strength up to 3500 PSI.

**Suggested Applications:** Bonds rigid materials including aluminum, brass, chrome, copper, iron, stainless steel, steel; cracked transmission cases, chipped heads, rear end castings, cracked blocks, cracked intake manifolds, damaged keyways, split stampings

Item #	Container Size	Pack
84309	2 oz. putty vial, carded	12

**Permatex® PermaPoxy™ 4 Minute Multi-Metal 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 -60 °F to 300 °F (-51 °C to 149 °C). Permanent strength up to 4500 PSI.

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

Item #	Container Size	Pack
84109	.84 fl. oz. dual syringe, carded	12
84209	2 - 1 oz. tubes, carded	12





## Epoxies

### Permatex® PermaPoxy™ 1 Minute General Purpose Epoxy

Versatile, easy-to-use, general purpose epoxy adhesive is a two-part adhesive and filler system that eliminates the need for welding or brazing. Sets in one minute, no clamping needed. Clear appearance. Fills gaps and will not shrink. Resistant to water and solvents. Temperature range -60 °F to 180 °F (-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, metal and rubber.



Item #	Container Size	Pack
84160	.84 fl. oz. dual syringe, carded	12

### Permatex® PermaPoxy™ 5 Minute General Purpose Epoxy

Versatile, easy-to-use, general purpose epoxy adhesive is a two-part adhesive and filler system that eliminates the need for welding or brazing. Sets in five minutes, no clamping needed. Clear appearance. Fills gaps and will not shrink. Resistant to water and solvents. Temperature range -60 °F to 180 °F (-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, fiberglass, glass, hard plastic, metal and rubber.



Item #	Container Size	Pack
84101	.84 fl. oz. dual syringe, carded	12
84201	1 oz. tubes, carded	12
84164	.47 oz. self-mixing syringe, carded	12

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

Versatile, easy-to-use, general purpose epoxy adhesive is a two-part adhesive and filler system that eliminates the need for welding or brazing. 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 -60 °F to 180 °F (-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, fiberglass, glass, hard plastic, metal and rubber.



Item #	Container Size	Pack
84107	.84 fl. oz. dual syringe, carded	12



### Permatex® PermaPoxy™ 5 Minute Plastic Weld

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 0.125 inch. Water resistant and good chemical resistance. Temperature range -60 °F to 250 °F (-51 °C to 121 °C). Permanent strength up to 3500 PSI.

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

Item #	Container Size	Pack
84115	.84 fl. oz. dual syringe, carded	12



Specialty Adhesives



**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
25905	1.5 fl. oz. tube, carded	12



**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, cast metal parts

Item #	Container Size	Pack
25909	3.5 fl. oz. 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, exposed wires, etc.

Item #	Container Size	Pack
85120	4 oz. brush-top bottle, carded	6



**Permatex® Single-Use Oil Plug Sealant**

An application specific compound that keeps oil pan drain plugs secure and prevents leakage. A non-hardening sealant that protects threads from corrosion and seizing during assembly and disassembly and won't degrade plastic or rubber gaskets. Compound combines PTFE with non-melting grease producing an operating performance range of -35° F to 550° F.



Item #	Container Size	Pack
09943	4 g pouch	480



## Specialty Adhesives



### 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
82099	net wt. 9 oz. aerosol	6

### TARGETS

any low pressure leak  
without disassembly!



### Permatex® Black Silicone Adhesive Sealant

Low odor 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 -75 °F to 450 °F (-59 °C to 232 °C); resists water, weather, and vibration.

**Suggested Applications:** Windshields, door frames, electrical connections, seams and roofs, vinyl tops, weather stripping (Not recommended for engine gasket applications)

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
81158	3 oz. tube, carded	12
81173	12.9 oz. cartridge	12



### 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.

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

Item #	Container Size	Pack
80050	3 oz. tube, carded	12
85913	7.25 oz. PowerBead™ can	6
80855	11 oz. 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 -80 °F to 400 °F (-62 °C to 204 °C).

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

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
81730	1.5 fl. oz. tube, carded	12



### Permatex® Black Rubber Sealant

High-strength, ready-to-use automotive sealant insulates, seals and caulks. Does not dry out or become brittle. Economical black sealant.

**Suggested Applications:** Weather stripping, door and window glass, electrical connections

Item #	Container Size	Pack
80338	1.5 fl. oz. tube, carded	12

## Introduction

### Specialized 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, Vinyl & Fiberglass 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
80036	1.5 oz. tube, carded	12
80037	3 oz. tube, carded	12



#### Permatex® Prussian Blue

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

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

Item #	Container Size	Pack
80038	.75 fl. oz. tube	36

### Permatex® offers the right amount of product to handle small jobs...

When maintenance and repair jobs call for only a small amount of product to do the job right, Permatex offers the right amount for the job with select gasket makers and lubricants in convenient half ounce packages. Ideally suited for those small jobs where a larger size may be wasteful, they are convenient to handle, easily portable and can be stored almost anywhere.

- **Ultra Disc Brake Caliper Lube**, pg. 43, 47
- **Ultra Grey® Rigid High-Torque RTV Silicone Gasket Maker**, pg. 12
- **Ultra Black® Maximum Oil Resistance RTV Silicone Gasket Maker**, pg. 12
- **Water Pump & Thermostat Housing RTV Silicone Gasket**, pg. 13
- **Nickel Anti-Seize**, pg. 46
- **Bulb Grease**, pg. 37, 48

Proven performance comes with even greater convenience!



Item # 85188    Item # 22074    Item # 22072    Item # 22071    Item # 77134    Item # 85184





## Single-Use Pouches



09973      09974      09975      09976      09977      09978      09979      09980      09941      09943      09948

### Permatex® Single-Use Pouches

A line of single-use chemicals that deliver just the right amount of material for typical automotive repair jobs. Consistent with the high quality associated with the Permatex® brand, each item in the line contains premium chemical compounds. The convenient single-use pouches feature an exclusive "easy squeeze spout" with a tapered channel to provide for more accurate dispensing of compounds while minimizing waste and mess. Permatex® Single-Use chemicals are a convenient and economical new way for DIY'ers to complete a wide range of automotive repairs.

**Suggested Applications:** See descriptions under the various item descriptions in the lubricants, threadlockers or specialty repair sections of this catalog.

Item #	Container Size	Pack
09973	Ceramic Extreme Brake Lubricant, 4 g pouch	480
09974	Gasket Sealant & Dressing, 5 g pouch	480
09975	Anti-Seize Lubricant, 4 g pouch	480
09976	Battery Protector, 4 g pouch	480
09977	Ultra Disc Brake Lube, 4 g pouch	480
09978	Medium Strength Threadlocker BLUE, 1 g pouch	480
09979	High Strength Threadlocker RED Gel, 1 g pouch	480
09980	Spark Plug Boot Grease, 4 g pouch	480
09941	Bulb Grease, 4 g pouch	480
09943	Oil Plug Sealant, 4 g pouch	480
09948	Rotor Cleaning Wipe Towelette, 4 g pouch	480

### Did You Know?...

Permatex® single-use pouch displays can increase profit opportunity.

- Add-on sales opportunity whenever parts are sold!
- Ideal for high incidence, one-time DIY repairs
- Introduces DIY to new chemical products sold in other parts of store

**NEW!**



## 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 the same professional strength **OEM specified** formula which ensures that it works! **NOT DESIGNED FOR PLASTIC BUTTONS.**

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

Item #	Container Size	Pack
81840	2 part kit - .01 fl. oz. adhesive vial / .02 fl oz. activator towelette, carded	12



### 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. Available in single and multi-applications. ODC-free. **NOT DESIGNED FOR PLASTIC BUTTONS.**

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

Item #	Container Size	Pack
81844	2-part kit, carded	12

*\*See also Permatex® Professional Repair Systems Rearview Mirror Adhesive Kit*



### 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
21351	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 on star damage and bullseyes up to 1-1/4" in diameter to prevent further spreading of glass fracture. Safe and easy to use. Requires no mixing, no heat. Makes the repair virtually undetectable.

**Suggested Applications:** Bullseyes, and star damage in windshields

Item #	Container Size	Pack
16067	.025 fl. oz. 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, trailer hitches

Item #	Container Size	Pack
81150	.33 oz. tube, carded	12
81153	3 oz. Power Can stand-up carded	6
22058	3 oz. tube, carded	6
09980	4 g pouches	480



### Permatex® Bulb/Lamp & Electrical Connector Dielectric Grease

Increases performance and extends service life of bulbs and lamps by preventing voltage leakage and protecting electrical connections from moisture, dirt and corrosion. Great lubricating properties ease the disassembly process. Protects rubber,

**Suggested Applications:** Headlamps, lighting bulbs for: instrument panel, glove compartment, inside door trim, interior courtesy lamps, parking & turn signals, brake lights, license plate lights, trunk and hood lamps; also for fuses, ignition components and other electrical connections.

Item #	Container Size	Pack
31824	.10 oz. dose, carded	12
85184	.5 oz tube	6



### 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, exposed wires, etc.

Item #	Container Size	Pack
85120	4 oz. brush-top bottle, carded	6



### 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
80370	6 oz. aerosol can, 5 oz. net wt.	12



### Permatex® Battery Cleaner

Spray it on and wash corrosion off. Works in just three minutes. Level 1

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

Item #	Container Size	Pack
80369	6 oz. aerosol can, 5.75 oz. net wt.	12

\*NFPA Fire Code 30B

\*NFPA Fire Code 30B

## Body, Interior & Trim



### Permatex® Rust Treatment

Provides one-step treatment that destroys old rust and prevents new rust. Just brush or spray on. Within minutes, rust is replaced by a durable black polymer coating that may be painted. Excellent protective primer. Specially formulated to be used with body filler and fiberglass. Can be used when temperature is between 50 °F and 90 °F (10 °C and 32 °C) and on surfaces which do not exceed 200 °F (93 °C). Aerosol - Level 2\*

**Suggested Applications:** Destroys rust on all automotive applications; trucks, trailers, storage tanks, pipes, valves, fences, guard rails, bulkheads, overheads, decks, hatch covers (topcoat with appropriate marine paint), agricultural equipment, plows, tractors, snow removal equipment, etc.

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
81775	8 fl. oz. bottle	12
81849	16 oz. aerosol can, 10.25 oz. net wt.	12
81773	16 fl. oz. bottle	12

\*NFPA Fire Code 30B

### Permatex® Undercoating

Protects fenders, frames, fuel tanks, door panels, rocker panels, hoods and firewalls against moisture, road salt and corrosion. Won't sag or drip. Sound-proofs and insulates. Body shop proven. Level 3\*

**Suggested Applications:** Wheel wells, rocker panels, frames and underbody, body repairs, rust holes, tree pruning, driveway cracks, minor roof repairs, and post preserver

Item #	Container Size	Pack
80072	20 oz. aerosol can, 16 oz. net. wt.	12

\*NFPA Fire Code 30B

### Permatex® Heavy-Duty Rubberized Undercoating

Now with an improved formula! Rubberized 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
81833	20 oz. aerosol can, 16 oz. net. wt.	12

\*NFPA Fire Code 30B

### Permatex® Rust Dissolver Gel

Chemically dissolves rust from all iron and steel surfaces. Brush or spray on, wash off rust with cloth. Replaces sanding and scraping.

**Suggested Applications:** Iron and steel surfaces on cars, trucks, motorcycles, tractors, and trailers

Item #	Container Size	Pack
81756	8 fl. oz. bottle	12





## Body, Interior & Trim



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

High-strength spray adhesive designed for repairing interior parts which 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 170 °F (77 °C). VOC compliant. Level 3

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

Item #	Container Size	Pack
27828	20 oz. aerosol can, 16.75 oz. net. wt.	6

\*NFPA Fire Code 30B



### Permatex® All Purpose Spray Adhesive

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

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

Item #	Container Size	Pack
82019	16 oz. aerosol can, 10.5 oz. net wt.	12

\*NFPA Fire Code 30B



### Permatex® Black Super Weatherstrip Adhesive

A professional, black weatherstrip adhesive that blends with automotive weatherstripping for less clean-up. Allows for repositioning parts after contact is made. Withstands extreme temperatures. Water resistant. Resistant to gasoline, kerosene, antifreeze and most solvents.

**Suggested Applications:** Cut gaskets, door and trunk moldings

**OEM INTERCHANGE, see pgs. 76-81**

Item #	Container Size	Pack
81850	5 fl. oz. tube, boxed	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 moldings

Item #	Container Size	Pack
81731	5 fl. oz. tube, boxed	12
80638	2 fl. oz. tube, carded	12



### Permatex® Weatherstrip Cement

A translucent all-purpose cement and sealer that bonds in minutes and dries to a tough, strong bond. Waterproof and durable. It provides a flexible, vibration resistant bond that adheres rubber to glass and metal.

**Suggested Applications:** Bonds glass, rubber and metal; door and windshield weatherstripping

Item #	Container Size	Pack
80328	2 oz. tube, carded	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.



#### Permatex® Windshield Repair Kit

Make permanent air-tight repairs on most types of damaged laminated windshield glass, including bullseye's up to 1 1/4 inches, in just a few minutes. 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.

**Suggested Applications:** Repairs bullseye's, and chips (up to 1 1/4 inches long) in laminated automotive windshields



#### Permatex® Rearview Mirror Adhesive Kit

OEM approved. 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. Two part adhesive that permanently bonds mirror buttons to windshields. Achieves handling strength in seconds, and mirror mounting strength in 30 minutes. ODC free. NOT designed for PLASTIC buttons.

**Suggested Applications:** All foreign and domestic metal rearview mirror mounting buttons

Item #	Container Size	Pack
09103	1 kit, clamshell	6

Item #	Container Size	Pack
09102	1 kit, clamshelled	6

#### 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 Center.

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

Item #	Container Size	Pack
09117	1 kit, clamshelled	6





## Professional Repair Systems



### 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 with photographs 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 cures in 30 minutes. Repairs can be

made ideally at temperatures from 50 °F to 75 °F (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 4 inches in length and holes up to 3/8 inch 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, metal car fuel tanks

Item #	Container Size	Pack
09101	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 cures in 30 minutes. Repairs can be made ideally at temperatures from 50 °F to 75 °F (10 °C to 24 °C). Repairs cracks up to 4 inches in length and holes up to 3/8 inch 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, waste tanks

Item #	Container Size	Pack
09100	1 kit, clamshelled	6

## Fabric, Vinyl and Fiberglass Repair



### Permatex® Ultra Series Vinyl & Leather Repair Kit

A complete professional kit with plug-in electric heat iron to make pro-style repairs. Contains: professional electric heat tool, 7 color compounds, clear vinyl adhesive and filler (net .34 fl. oz.), grain pattern paper, metal spatula, plastic dashboard hardening powder.

**Suggested Applications:** Vinyl and leather upholstery, dashboards, vinyl tops, marine upholstery, luggage

Item #	Container Size	Pack
81781	1 kit, clamshelled	6



### Permatex® Fabric Repair Kit

Repairs automobile upholstery, carpet, clothing and furniture. Matches popular colors and textures. Contains: 7 assorted colors of fabric repair compound, 2 cups fabric air dry adhesive, screen applicator, application spatula, mixing bottle, instruction card with color matching chart.

**Suggested Applications:** Automotive and home fabric upholstery and carpet, clothing

Item #	Container Size	Pack
25247	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 colors of repair compound, clear vinyl adhesive and filler (net .34 fl. oz.), grain pattern paper, plastic spatula, and instruction sheet with color matching chart.

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

Item #	Container Size	Pack
80902	1 kit, clamshelled	6



### Permatex® Super Clear Vinyl Sealant Repair Kit

Makes invisible repairs from rips, cuts and tears to upholstery, luggage, clothing, etc. Contains: clear vinyl sealant and filler (net 1.5 fl. oz.), special applicator nozzle, grain pattern paper.

**Suggested Applications:** Rips and cuts in luggage, rainwear, vinyl boots, automotive, marine and home upholstery

Item #	Container Size	Pack
81786	1 kit, carded	6

## Exhaust System Repair



### Permatex® Muffler & Tailpipe Bandage

Epoxy-impregnated fiberglass 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 800 °F (426°C).

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

Item #	Container Size	Pack
80331	84 sq. in. bandage, carded	12
80332	120.54 sq. in., 12 MB-2 carded (jumbo size)	12



### Permatex® Muffler & Tailpipe Putty

Permanently repairs holes and leaks in exhaust systems. Seals out fumes at temperatures up to 2000 °F (1000 °C). Safe for catalytic converters. 2-pouch bonus pack.

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

Item #	Container Size	Pack
80333	4 oz. 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 2000 °F (1000°C).

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

Item #	Container Size	Pack
80335	3 oz. tube, carded	12



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

Complete kit for repairing cracks and splits in mufflers, tailpipes and exhaust pipes. Withstands temperatures over 1000 °F (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
80334	1 bandage, 1 support wire, carded	12



## Brake Maintenance & Repair



### 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:** 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
80729	.5 fl. oz. (2 -.25 fl. oz. pouches), carded	12
80077	12 oz. aerosol can, 9 oz. net wt.	12

\*NFPA Fire Code 30B



### Permatex® Ultra Disc Brake Caliper Lube

An environmentally-friendly, green, nonmelting, 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
85188	.5 oz. tube	6
20353	2 oz. tube with nozzle	6
20356	10 g (2-5 g pouches), carded	6
24110	8 oz. brush-top bottle	6
09977	4 g pouches	480



### Permatex® Ceramic Extreme Brake Parts Lubricant

A 100% synthetic formula, coupled with real ceramic solids make this premium brake lubricant our longest lasting, most temperature resistant way to silence brake noise. Effective from -50 °F to 3000 °F (-46 °C to 1649 °C), this product maintains its lubricating integrity under the most extreme conditions. Resistant to corrosion and contaminants, it will not wash out.

**Suggested Applications:** Disc brake caliper hardware, bushings, pistons, rubber sleeves and seals

Item #	Container Size	Pack
24125	8 fl. oz. brush-top bottle	6
24124	14 g (2-4 g pouches), carded	6
20354	5 oz. tube	12
09973	4 g pouch	480

## Radiator & Fuel Tank Repair



### Permatex® Instant Gas Tank Repair

Instantly seals small holes in gas tanks without tank removal. Sticks to "gasolinewet" metal. Dries to a hard seal. Hardens in 60 minutes. Easy-to-use, two-part epoxy ribbon. No measuring. Permanent. (THIS PRODUCT IS NOT FOR USE ON PLASTIC GAS TANKS.)

**Suggested Applications:** Gas tanks in cars, trucks, farm equipment

Item #	Container Size	Pack
12020	1 oz. stick, carded	12

\*See also Permatex® Professional Repair Systems Fuel Tank Repair Kit



### Permatex® Gas Tank & Radiator Repair

Seals small holes and weak seams in gas tanks without welding or tank removal. Repairs leaks and holes in all types of radiators. Hardens in 60 minutes, permanent. (THIS PRODUCT IS NOT FOR USE ON PLASTIC GAS TANKS.)

**Suggested Applications:** Holes and seams in gas tanks, radiators or gas cans

Item #	Container Size	Pack
80884	1 oz. stick, carded	12

## Introduction

### Multipurpose Lubricants

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

### Specialty Lubricants

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® Synthetic Lubricant with PTFE

A grease based formula for high load applications. Can be used on any moving parts to provide better, longer lasting lubrication that withstands higher temperatures and is safe on more surfaces. It withstands temperatures from -45 °F to 350 °F (-42 °C to 177 °C), 450 °F (232 °C) intermittent. Level 3\*

**Suggested Applications:** Steering linkage fittings, chassis points, suspension bushings, wheel covers and bearings and studs and nuts, hood support bushings, latch assemblies, hinges, door checks, trunk locks, weather stripping, antenna base threads, body, cams, mechanical linkages, o-rings, seat tracks, headlight seals, and other moving parts.

Item #	Container Size	Pack
81943	12 oz. aerosol can, 11 oz. net wt.	6

\*NFPA Fire Code 30B



### 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
80052	16 oz. aerosol can, 12 oz. net wt.	12

\*NFPA Fire Code 30B



## Multipurpose Lubricants



### Permatex® White Lithium Grease

All-purpose white lubricant is designed to reduce friction between load bearing metal-to-metal and metal-to-plastic applications. Protects against rust and makes surfaces friction-free. Stainless and long-lasting formula. Contains no ODCs. Withstands moisture and high temperature. Level 3\*

**Suggested Applications:** Door hinges, hood latches, trunk latches, hatchback struts, sliding seat mechanisms, interior window mechanisms, radio antennas garage door and delivery truck door tracks

Item #	Container Size	Pack
80345	1.5 fl. oz. tube, carded	12
81981	16 oz. aerosol can, 10.75 oz. net wt.	12

\*NFPA Fire Code 30B



### 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 molding

Item #	Container Size	Pack
80070	16 oz. aerosol can, 10.25 oz. net wt.	12

\*NFPA Fire Code 30B

## Specialty Lubricants



### 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
80075	6 oz. aerosol can, 5 oz. net wt.	12

\*NFPA Fire Code 30B



### Permatex® Belt Dressing & Conditioner

Extends belt life. Penetrates the cord fibers 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
80074	6 oz. aerosol can, 5 oz. net wt.	12
80073	16 oz. aerosol can, 12 oz. net wt.	12

\*NFPA Fire Code 30B

## Specialty lubricants - Anti-Seize

### Permatex® Anti-Seize Lubricant

A highly refined blend of aluminum, 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: -60 °F to 1600 °F (-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

**OEM INTERCHANGE, see pgs. 76-81**



Item #	Container Size	Pack
81343	1 oz. tube, carded	12
80071	4 oz. bottle	12
80078	8 oz. brush-top bottle	12
81464	12 oz. aerosol can, 8.5 oz. net wt.	12

Item #	Container Size	Pack
80208	16 oz. brush-top bottle	12
80206	1 gallon pail	4
09975	4 g pouch	480

\*NFPA Fire Code 30B



### Permatex® Aluminum Anti-Seize Lubricant

Permatex Aluminum Anti-Seize Stick combines premium lubricant protection in a user friendly, convenient package. It eliminates the mess commonly associated with using anti-seize and also allows more controlled product application since users can dispense as much or as little product as needed. In addition, the product barrel is easy to use and more convenient to hold than the normal brush top bottle package associated with anti-seize.

**Suggested Applications:** Spark plug threads, cylinder and exhaust head bolts, brake assembly anchor pins, hinges, gears, chains, u-bolts, etc.

Item #	Container Size	Pack
80210	.6 oz. stick	6



### 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: -30 °F to 1800 °F (-34 °C to 982 °C). Provides good electrical conductivity. Meets Mil Spec #907E.

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

Item #	Container Size	Pack
09128	8 oz. brush-top bottle	6
31163	16 oz. brush-top bottle	12



### Permatex® Nickel Anti-Seize Lubricant

Protects metal parts from seizing and galling at temperatures up to 2400 °F (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
77134	0.5 oz. tube, carded	6
77124	8 oz. brush-top bottle	12
77164	16 oz. brush-top bottle	10



## Specialty Lubricants - Brakes

### Permatex® Ceramic Extreme Brake Parts Lubricant

A 100% synthetic formula, coupled with real ceramic solids make this premium brake lubricant our longest lasting, most temperature resistant way to silence brake noise. Effective from -50 °F to 3000 °F (-46 °C to 1649 °C), this product maintains its lubricating integrity under the most extreme conditions. Resistant to corrosion and contaminants, it will not wash out.

**Suggested Applications:** Disc brake caliper hardware, bushings, pistons, rubber sleeves and seals



Item #	Container Size	Pack
24125	8 fl. oz. brush-top bottle	6
24124	14 g (2-4 g pouches), carded	6
20354	5 oz. tube	12
09973	4 g pouch	480



### Permatex® Ultra Disc Brake Caliper Lube

An environmentally-friendly, green, nonmelting, 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
85188	.5 oz. tube	6
20353	2 oz. tube with nozzle	6
20356	10 g (2-5 g pouches), carded	6
24110	8 oz. brush-top bottle	6
09977	4 g pouch	480



### 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:** 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
80729	.5 fl. oz. (2 -.25 fl. oz. pouches), carded	12
80077	12 oz. aerosol can, 9 oz. net wt.	12

\*NFPA Fire Code 30B



## Specialty Lubricants



### 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, trailer hitches

Item #	Container Size	Pack
81150	.33 oz. tube, carded	12
81153	3 oz. Power Can, stand-up carded	6
22058	3 oz. tube, carded	6
09980	4 g pouches	480



### Permatex® Bulb/Lamp & Electrical Connector Dielectric Grease

Increases performance and extends service life of bulbs and lamps by preventing voltage leakage and protecting electrical connections from moisture, dirt and corrosion. Great lubricating properties ease the disassembly process. Protects rubber,

**Suggested Applications:** Headlamps, lighting bulbs for: instrument panel, glove compartment, inside door trim, interior courtesy lamps, parking & turn signals, brake lights, license plate lights, trunk and hood lamps; also for fuses, ignition components and other electrical connections.

Item #	Container Size	Pack
31824	.10 oz. dose, carded	12
85184	.5 oz tube	6

### 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
01010	60pk display carton	4
01020	350pk bulk carton	1



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.



### 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 OEM performance specs for engine assembly lubricants.

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

Item #	Container Size	Pack
81950	4 oz. bottle	12





## Introduction

### Cleaners

To meet the needs of the professionals and DIYers alike, our automotive cleaners have gained wide acceptance as the highest quality products of their kind.

### Specialty Cleaners

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.

### Spray Nine® Cleaners

Spray Nine® is a line of ready-to-use specialty cleaning solutions with 50 years of effective cleaning across industrial, institutional, government, automotive and home markets.



## Cleaners



### Permatex® Pro-Strength Brake & Parts Cleaner

Specifically formulated to aggressively remove oil, grease, brake fluids, oxidized oils (gum) and asphalt from all types of brakes and other automotive parts. It penetrates through dirt and corrosion and flushes them away, eliminating the need to disassemble. It leaves no residue, dries fast and is non-corrosive to metals. Developed for brake professionals. Contains no ODCs. Level 1

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

Item #	Container Size	Pack
82606*	20 oz. aerosol can, 19 oz. net wt.	12
26630*	24 oz. aerosol can, 23.75 oz. net wt.	12

\*NFPA Fire Code 30B \* Not for sale or use in the states of California and New Jersey.



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

Penetrates, dissolves and removes dirt and oil from brake systems and metal parts. Safer for aluminum. 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, farm equipment

Item #	Container Size	Pack
82220*	20 oz. aerosol can, 14.5 oz. net wt.	12
82450**	20 oz. aerosol can, 14.5 oz. net wt.	12

\*NFPA Fire Code 30B. Not for sale or use in the state of California.



**Permatex® Throttle Body, Carb & Choke Cleaner**

**OEM certified.** A blend of solvents specifically formulated to dissolve and clean the residue deposited on carburetors and chokes during the normal operation of a motor vehicle or other gasoline engine-powered equipment. High pressure spray cuts and removes grease and varnish. VOC compliant in all 50 states. Oxygen sensor-safe. Improves engine performance. Level 3

**Suggested Applications:** Manual and automatic chokes, baffle plates, air intakes, carburetors, linkages, throttle bodies, heat risers, PCV valves

Item #	Container Size	Pack
80279	16 oz. aerosol can, 12 oz. net wt.	12

\*NFPA Fire Code 30B



**Permatex® Engine Degreaser**

New formula contains no petroleum distillates. Foaming action quickly dissolves and removes grease, oil and dirt from all types of equipment. Cleans iron, steel, aluminum, magnesium and copper. Not harmful to metal, rubber, plastic, or concrete. Rinses off easily with water. Level 3

**Suggested Applications:** Engines, garage floors, tools, machinery

Item #	Container Size	Pack
80043	20 oz. aerosol can, 15 oz. net wt.	12

\*NFPA Fire Code 30B



**Permatex® Single-Use Rotor Cleaning Wipe Towelette**

A water-based cleaner with no VOC's that cleans, and protects against corrosion. State-of-the-art cleaner surfactants clean disk brake rotors quickly, removing oil residue and improving brake pad wear and brake function. Leaves a thin corrosion-protection coating, that prolongs rotor life.

**Suggested Applications:** Suggested Applications: Excellent for cleaning rotors and other brake parts such as cables, bolts, etc.

Item #	Container Size	Pack
09948	4 g pouch	480



**Permatex® Heavy Duty Radiator Cleaner**

Removes rust and scale from automotive engines, radiators and water jackets. Cleans and unclogs steam cleaner coils and boiler tubes. Not for use in aluminum radiators.

**Suggested Applications:** Engines, radiators, water jackets, industrial and maintenance applications

Item #	Container Size	Pack
80030	1 qt. plastic bottle	12

Specialty Cleaners



**Permatex® SaferScraper™ Plastic Scraper**

A safer alternative to metal razor blades...this specially designed hard plastic double-edged razor blade can be used for a variety of cleaning and scraping applications. Ideal for removing decals, bugs, tar and paint without scratching or harming the body paint underneath. Also great for removing gaskets from a plastic or aluminum flange. The durable plastic holder is designed to fit well in the hand for extra flexibility and fits standard metal razor blades if the job requires it.

**Suggested Applications:** Removes solvent-based sealants, baked-on gaskets, weatherstrip adhesive, dried oil, grease and paint

Item #	Container Size	Pack
80190	Long handled scraper & 2 refillable blades, carded	12



**Permatex® Decal & Adhesive Remover**

This fast-acting formula quickly removes adhesive residue, decals, bumper & window stickers, tape, tar, sap, bugs, grease, and other sticky substances. This versatile adhesive remover contains no acetone and is safe for use on virtually any surface including windows, auto body paint, bumpers, vinyl, leather, fabric, metal, plastic, and wood. VOC compliant, its pleasant citrus scent is safe for indoor use. Level 1

**Suggested Applications:** Use on cars, trucks, motorcycles, trailers, snowmobiles, waverunners, atvs, boats, helmets, tools, equipment, and appliances to remove: adhesive residue, bumper stickers, parking stickers, dealer logos, pinstripes, vehicle advertisements & company logos, racing graphics & sponsorship logos, bar code labels, etc.

Item #	Container Size	Pack
80025	6 oz. aerosol can, 5 oz. net wt.	12

*Ideal for use with Permatex® SaferScraper.™*



**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
80369	6 oz. aerosol can, 5.75 oz. net wt.	12

*\*NFPA Fire Code 30B*



**Permatex® Electrical Contact & Parts Cleaner**

Suited for cleaning electrical and electronic devices, this fast evaporating, noncorrosive cleaner leaves no residue. It removes grease, dirt, oil, flux and other surface contaminants. Designed to be an alternative to CFC-113, 1,1,1-trichloroethane and perchloroethylene solvents.

**Suggested Applications:** Electronic parts: circuit boards, computer components, relay switches, etc. Electric parts: electric motors, generators, starters, pumps, motor windings, solenoids, compressors, etc.

Item #	Container Size	Pack
82588	16 oz. aerosol can, 11 oz. net wt.	

*VOC compliant in all 50 states.*



**Permatex® Rust Dissolver Gel**

Chemically dissolves rust from all iron and steel surfaces. Brush or spray on, wash off rust with cloth. Replaces sanding and scraping.

**Suggested Applications:** Iron and steel surfaces on cars, trucks, motorcycles, tractors, and trailers

Item #	Container Size	Pack
81756	8 fl. oz. bottle	12

*\*NFPA Fire Code 30B*



**Permatex® Paint Stripper**

Quickly strips and removes unwanted paint from metal surfaces. Eliminates costly and time-consuming sanding and scraping. Works in 10-15 minutes at temperatures from 40 °F to 100 °F (5 °C to 38 °C). Level 2

**Suggested Applications:** Various types of paint

Item #	Container Size	Pack
80577	16 oz. aerosol can, 12 oz. net wt.	12

*\*NFPA Fire Code 30B*



**Introduction**

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 cracking and drying out.

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.



*The choice for working hands!*



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

**Permatex® Hand Cleaner Reference Chart**

Cleaning Requirements	Recommended Permatex Product	Type Of Grit	Cream/Lotion	Biodegradable	Type Of Solvent
<b>Heavy Duty Soils</b>					
	Ultra Cherry® Pumice Hand Scrub Trounce® Pumice Hand Cleaner Grease Grabber® Hand Cleaner	Pumice Pumice Poly Scrubbers	Lotion Cream/Lotion Paste	No No No	Petroleum Petroleum —
<b>Heavy Duty Soils (Paint, Resin Type Soils)</b>					
	Parr® Painter's Clean™ Hand Cleaner	Pumice	Lotion	Yes	Esters
<b>Heavy to Medium Duty Soils</b>					
	Fast Orange® Pumice Hand Cleaner Fast Orange® Dry Skin Formula Fast Orange® Wipes	Pumice Pumice —	Cream/Lotion Lotion —	Yes Yes —	Natural Citrus Natural Citrus Natural Citrus
<b>Medium Duty Soils</b>					
	Fast Orange® Smooth Hand Cleaner Blue Label™ Hand Cleaner Fast Orange® Bar Soap	— — Pumice	Cream/Lotion Cream —	Yes No —	Natural Citrus Petroleum —

## Hand Cleaners



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 odors and many other household cleaning needs.

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

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

Item #	Container Size	Pack
25108	7.5 fl. oz. bottle	12
25113	15 fl. oz. Brush-Up™ bottle	12
25116	15 fl. oz. squeeze bottle	12
25217	1/2 gallon bottle w/pump	6
25219	low profile 1 gallon bottle w/pump	4

\* Readily Biodegradable according to OECD Method 301E

### Permatex® Fast Orange® Smooth Lotion Hand Cleaner

Item #	Container Size	Pack
23108	7.5 fl. oz. bottle	12
23113	15 fl. oz. Brush-Up™ bottle	12
23116	15 fl. oz. squeeze bottle	6
23217	1/2 gallon bottle w/pump	6
23218	1 gallon bottle w/pump	4

\* Readily Biodegradable according to OECD Method 301E



A cream version of our #1 selling Fast Orange® Lotion Hand Cleaner. Pure, fresh-smelling, natural citrus power cleans deep down to remove even the most stubborn grease and grime. Readily biodegradable, non-toxic and petroleum solvent-free, Fast Orange® Cream was formulated for those who prefer a thicker consistency hand cleaner. Fortified with premium skin conditioners, Fast Orange® is the choice for working hands. Also works great on laundry stains, pet odors and many other household cleaning needs. \* Readily Biodegradable according to OECD Method 301E

**Suggested Applications:** Resins, oil, grease, tar, grime, soil, printers' ink, adhesives, paint, scuff marks along with gasket and tile cements.

### Permatex® Fast Orange® Pumice Cream Hand Cleaner

Item #	Container Size	Pack
35013	14 oz. plastic tub	12
35406	4.5 lb. plastic tub	6

### Permatex® Fast Orange® Smooth Cream Hand Cleaner

Item #	Container Size	Pack
33013	14 oz. plastic tub	12

### Permatex® Fast Orange® Cream Hand Cleaner

Item #	Container Size	Pack
28192	28 oz. plastic tub	12



## Hand Cleaners



### Permatex® Fast Orange® Dry Skin Formula Hand Cleaner

Developed specifically for professional automotive technicians, Fast Orange® Dry Skin Formula helps reduce the symptoms of dry, cracked skin. The natural citrus formula has a unique polymeric skin conditioning system that leaves hands feeling smoother, while it quickly and gently deep cleans the toughest dirt. Biodegradable, petroleum solvent-free and nontoxic, it also contains aloe, lanolin, glycerin & other premium skin conditioners.

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

Item #	Container Size	Pack
27218	1 gallon bottle w/pump	4

\* Readily Biodegradable according to OECD Method 301E



### Permatex® Ultra Cherry® Pumice Hand Scrub

A professional strength hand cleaner concentrated to tackle the toughest grease, while conditioning hands. This premium fine pumice lotion acts quickly to power out the harshest soils without leaving hands feeling greasy or irritated. Great for hard working hands, it contains a unique skin conditioning system that helps to restore moisture and prevent dry, chapped hands. Its light clean cherry scent is refreshing and contains no petroleum odors. No Kerosene, no Phosphates.

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

Item #	Container Size	Pack
21108	7.5 fl. oz. comfort grip squeeze bottle	12
21222	102.4 fl. oz. low profile bottle with pump	4



### Permatex® Painter's Clean™ Hand Cleaner

A safer alternative to harsh, drying and potentially toxic solvents and thinners. Fortified with four premium skin conditioners, this freshly scented, fine pumice formula quickly removes the toughest soils. Readily biodegradable\*, nontoxic and nonflammable, Painter's Clean™ Hand Cleaner has the muscle to clean where most hand cleaners fall short.

**Suggested Applications:** Suggested Applications: Stains, varnish, lacquer, urethane adhesives and paints, resins, clear coats, body fillers, primers, oil-based paints, silicones, printer's ink, oil, and grime

Item #	Container Size	Pack
65116	15 fl. oz. Brush-Up™ bottle	6
65217	60 fl. oz. w/pump	4
65108	7.5 fl. oz. squeeze bottle	12

\* Readily Biodegradable according to OECD Method 301E



### DL® Permatex® Blue Label™ Cream Hand Cleaner

This cream formula waterless hand cleaner. Takes off many difficult to remove substances yet is gentle to hands. Does not leave a greasy feeling after use. The 4.5 lb. can fits most dispensers.

**Suggested Applications:** Oil, grease, tar, grime, soil, resins, printers' ink, epoxies, paint, rubber cement, gasket and tile cements

Item #	Container Size	Pack
01013	14 oz. plastic tub	12
01406†	4.5 lb. plastic tub	6

†For use with 95140 Universal Dispenser. \* Readily Biodegradable according to OECD Method 301E



**Permatex® Fast Orange®**  
 The #1 selling petroleum-free waterless hand cleaner.



Try our new patent-pending Fast Orange® formula now infused with MircoGel™ technology!

**Fast Orange® is still the same great product that you've loved for decades – only new and improved!** Our MicroGel™ technology differentiates Fast Orange® in the market place. The always fresh-smelling citrus hand cleaner is now made up of an emulsion technology (synthetic solvent blend) that cleans without using harsh chemicals, while simultaneously conditioning your skin. Our powerful formula does not contain any harsh chemicals, mineral oils or ammonia that can sting cuts and abrasions.

This new formula is still available in both fine pumice and smooth versions.

**Why does our new MicroGel™ formula outperform all it's competitors?**

- Patent-pending formula
  - Emulsion technology formula (proprietary synthetic solvent blend)
  - Same powerful and quick cleaning ability as original Fast Orange
  - Gel-based adheres better to hands
  - Better for environment- Not toxic, low VOC's
  - Feels smoother on hands
- See also pages 57 & 58.*



## Hand Cleaners

A powerful paste-style hand cleaner formulated with dirt busting “poly” scrubbers that dig out and mop up tough soils. Choose from fresh smelling lemon lime or coconut scents to tackle your dirtiest jobs. It fights foul odors including fuel, oil, lubricant, grease, and much more! Grease Grabber® contains no harsh solvents and is fortified with soothing emollients to keep hard-working hands soft, moisturized, and healthy. Just add a small amount of water to about a tablespoon of Grease Grabber® - a little goes a long way! Pennies per wash economy when dispensed through Poly 500™ Revolution Dispenser.

**Suggested Applications:** Removes Dirt, Grease, Oil, Adhesives, Paint, Hydraulic Fluids, and more!



**Permatex® Grease Grabber™**  
**Lemon Lime Hand Cleaner**

Item #	Container Size	Pack
13106	4 lb. plastic tub	6
13112	12.35 oz. plastic tub	12



**Permatex® Grease Grabber™**  
**Coconut Hand Cleaner**

Item #	Container Size	Pack
14106	4 lb. plastic tub	6
14112	12.35 oz. plastic tub	12



**Bar Soap & Wipes**



**Permatex® Fast Orange® Pumice Bar Hand Soap**

This large, 5.75 oz. soap bar contains fine pumice for thorough cleaning and leaves hands feeling soft. Ideally suited for the cleaning needs of automotive technicians.

**Suggested Applications:** Oil, grease, grime, paint & other everyday soils.

Item #	Container Size	Pack
25575	5.75 oz. bars w/display carton	24

*\* Readily Biodegradable according to OECD Method 301E*



**Permatex® Fast Orange® Hand Cleaner Wipes**

Removes the toughest grease, tar, grime, ink, paints, sealants, adhesives and other difficult soils. Each pre-moistened wipe has a textured surface on one side that is ideal for cleaning heavy duty soils from hands, tools and work areas. The wipes also have a smooth side for general purpose cleaning.

**Suggested Applications:**

Removes grease, grime, oils, soil, gasket cement, glues, and inks.

Item #	Container Size	Pack
25025	25-count bucket, wipe (6.125" x 10.5")	6
25072	72-count bucket, wipe (10.5" x 12.25")	6

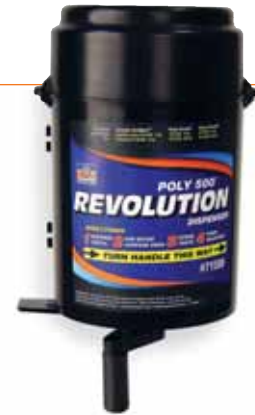
*\* Readily Biodegradable according to OECD Method 301E*

**Accessories**

**Permatex® Spray Nine® Poly 500™ Revolution Dispenser**

Get "pennies per wash" economy out of your Grease Grabber®. The Poly 500™ metered dispensing system delivers the perfect amount of hand cleaner every time! The Poly 500™ can be mounted and features a lockable lid.

Item #	Pack
71500	1



**Merchandising/Promotion**

**Permatex® Fast Orange® Mini Display**

Ideal for aisle ends, automotive, hardware, paint, lawn & garden, and sporting goods departments. Prepacked with skid — just remove shipping carton and you are ready to sell. Case: 8.75 cu. ft., 235 lbs., 24" x 14" x 45"



Item #	Container Size	Pack
30058	24 x (25219) Pumice, low profile 1 gallon bottles with pump	1

*\* Made to order or contact your Permatex Sales Representative for details.*

**Permatex® Fast Orange® Cream Hand Cleaner**

Double the cleaning action, this 28 oz. bonus size equals two 14 oz. plastic tubs. Priced to sell!

Item #	Container Size	Pack
28192	28 oz. plastic tub	12





## Gloves

Everyday, technicians' hands come in contact with a variety of harsh chemicals, petroleum based-products and other tough soils. Over time, exposure to these materials can cause serious skin damage and other health problems. Hand protection is also needed against nicks, cuts and burns while maintaining finger dexterity and feel. Permatex offers a variety of gloves to safeguard technicians' hands from harmful substances and harsh work environments.



### Permatex® Black 5 mil Nitrile Disposable Gloves

Nitrile gloves are made from a 100% synthetic rubber that provides superior resistance to a wide range of solvents and hazardous chemicals.\* Nitrile gloves are suitable for users with natural rubber latex sensitivity. They feature textured fingers that provide a secure grip on dirty parts and tools. Our powder-free 5 mil black Nitrile gloves provide increased durability and protection. When superior chemical resistance is required, Black Nitrile Disposable Gloves provide mechanics with ideal heavy-duty hand protection.

**Suggested Applications:** Excellent protection from greases, oil, diesel fuel, acids and many petroleum-based products.

Item #	Container Size	Pack
08184	100-ct. Box – Medium	10 boxes
08185	100-ct. Box – Large	10 boxes
08186	100-ct. Box – X-Large	10 boxes

\* This product is not intended to protect against all chemical compounds.



### Permatex® Blue 4 mil Nitrile Disposable Gloves

Nitrile gloves are made from a 100% synthetic rubber that provides superior resistance to a wide range of solvents and hazardous chemicals.\* Nitrile gloves are suitable for users with natural rubber latex sensitivity. They feature textured fingers that provide a secure grip on dirty parts and tools. Our gloves are lightly powdered, which makes them easier to put on and take off. When superior chemical resistance is required, Permatex® Nitrile Disposable Gloves provide mechanics with ideal heavy-duty hand protection.

**Suggested Applications:** Excellent protection from greases, oil, diesel fuel, acids and many petroleum-based products.

Item #	Container Size	Pack
09184	100-ct. Box – Medium	10 boxes
09185	100-ct. Box – Large	10 boxes
09186	100-ct. Box – X-Large	10 boxes

\* This product is not intended to protect against all chemical compounds.



### Permatex® Mechanics Gloves

Mechanics Gloves safeguard hands from harsh work environments where superior hand protection is required. Designed to offer durable, comfortable protection, the triple layer fabric prevents against nicks, cuts and abrasions.\*\*\* Mechanics gloves are tough and lightweight, and feature an elastic cuff with an adjustable hook and loop closure to ensure a secure fit.

**Suggested Applications:** Ideal for all mechanical repairs that do not require extensive chemical resistance.

Item #	Container Size	Pack
85310	1 pair – Large	12 pairs
85315	1 pair – X-Large	12 pairs

\*Does not protect against chemical compounds or hot exhaust systems. Gloves are not fire retardant or flame proof.



# GASKET MAKER SELECTOR



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

**Item # 80022**

Valve covers, water pumps, oil pans, timing covers, thermostat housing.

Temperature Range: -65°F to 500°F intermittent



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

**Item # 81422**

High temperature areas, valve covers, oil pans, timing covers, thermostat housings.

Temperature Range: -65°F to 500°F intermittent



## Permatex® Anaerobic Flange Sealant

**Item # 51531**

Water pumps, thermostat housings, transmission pans, transmission case covers, transaxle casings, o-ring replacement.

Temperature Range: -65°F to 300°F



## Permatex® Anaerobic Gasket Maker

**Item # 51813**

Water pumps, thermostat housings, transmission pans, transmission case covers, transaxle casings, o-ring replacement.

Temperature Range: 65°F to 300°F



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

80022 3 oz. tube, carded  
80628 11 oz. cartridge  
81860 7.25 oz. Power Can

## Permatex® Anaerobic Flange Sealant

51531 50 ml tube  
51580 300 ml cartridge

## Permatex® Anaerobic Gasket Maker

51817 6 ml tube, carded  
51813 50 ml tube, carded  
51845 300 ml cartridge

## Permatex® High-Temp RTV Red Silicone Gasket Maker

81160 3 oz. tube, carded  
81409 11 oz. cartridge  
85915 7.25 oz. PowerBead™  
81915 7.25 oz. Power Can

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

81422 3 oz. tube, carded

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

81878 3 oz. tube, carded

# GASKET MAKER SELECTOR



**Permatex® High-Temp Red RTV Silicone Gasket Maker**

**Item # 81160**

Valve covers, oil pans, timing covers, water pumps, thermostat housings.

Temperature Range: -65°F to 650°F intermittent



**Permatex® Ultra Blue® RTV Silicone Gasket Maker**

**Item # 81724**

Valve covers, oil pans, differential housings, intake manifold end seals, timing covers, thermostat housings.

Temperature Range: -65°F to 500°F intermittent



**Permatex® Water Pump & Thermostat RTV Silicone Gasket**

Item # 22071

Water pump, thermostat housings.

Temperature Range: -65°F to 500°F intermittent



**Permatex® Ultra Black® RTV Silicone Gasket Maker**

**Item # 82180**

Valve covers, oil pans, intake manifold end seals, timing covers, thermostat housings.

Temperature Range: -65°F to 500°F intermittent

High Temperature Applications

NO YES

Instant Seal

YES NO

UEM Specified

NO YES

Instant Seal

NO YES



**Permatex® Ultra Copper® RTV Silicone Gasket Maker**

**Item # 81878**

Exhaust manifolds/headers, valve covers, oil pans, timing covers, thermostat housing, water pumps.

Temperature Range: -65°F to 700°F intermittent



**Permatex® Ultra Grey® RTV Silicone Gasket Maker**

**Item # 82194**

Valve covers, oil pans, intake manifold end seals, timing covers, thermostat housings, water pumps, transmission pans.

Temperature Range: -65°F to 500°F intermittent



**Permatex® the Right Stuff® GREY Gasket Maker**

**Item # 85144**

Formulated for imports. Automotive gaskets, valve covers, transmission pans, oil pans, thermostat housings, water pumps.

Temperature Range: -75°F to 450°F; 500°F intermittent



**Permatex® the Right Stuff® Gasket Maker**

**Item # 25224**

Automotive and marine gaskets, valve covers, gear box covers, pumps, compressors, oil pans, thermostat housings, water pumps.

Temperature Range: -75°F to 450°F; 500°F intermittent

**Permatex® Ultra Blue® Multi-Purpose RTV Silicone Gasket Maker**

- 81724 3.35 oz. tube, carded
- 85519 9.5 oz. PowerBead™
- 81725 13 oz. cartridge

**Permatex® Water Pump & Thermostat RTV Silicone Gasket**

- 22071 .5 oz. tube, carded

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

- 82194 3.5 oz. tube, carded
- 85084 9.5 oz. PowerBead™
- 82195 13 oz. cartridge®

**Permatex® the Right Stuff® GREY Gasket Maker**

- 85144 7.5 oz. PowerBead™
- 34311 5 oz. cartridge
- 34310 10.1 fl. oz. cartridge

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

- 82180 3.35 oz. tube, carded
- 24105 13 oz. cartridge
- 82080 8.75 oz. Power Can
- 85080 9.5 oz. PowerBead™
- 22072 .5 oz. tube, carded

**Permatex® the Right Stuff® Gasket Maker**

- 25229 3 oz. Power Can, carded
- 25223 4 oz. Power Can
- 25224 7 oz. Power Can
- 85224 7.5 oz. PowerBead™
- 33694 10.1 fl. oz. cartridge
- 29208 5 oz. cartridge
- 99070 5 oz. cartridge, 2 pack







# GASKET DRESSING SELECTOR



**Permatex® Super High Tack™ Gasket Sealant**

**Item # 80060**

Rubber, cork, paper, composite gaskets, hose connections

Temperature Range: -65°F to 500°F



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

**Item # 80007**

Freeze plugs, threaded connections, manifold gaskets

Temperature Range: -65°F to 400°F



**Permatex® Tack & Seal™ Sealant**

**Item # 80938**

Air conditioning fuel fittings, radiator hoses, PVC fittings and cork, paper, cardboard, felt and metal gaskets

Temperature Range: -65°F to 400°F



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

**Item # 80011**

Valve covers, oil pan gaskets

Temperature Range: -65°F to 400°F



**Permatex® Ultra Rubber Gasket Sealant & Dressing**

**Item # 85409**

Use with rubber gaskets including valve cover & oil pan gaskets, thermostat housings, transmission pans, intake gaskets, gear boxes, axle assemblies

Temperature Range: -65°F to 400°F



**Permatex® Super 300® Form-A-Gasket® Sealant**

**Item # 80057**

Valve cover gaskets, compressors, diesel engine heads

Temperature Range: -65°F to 400°F



**Permatex® Copper Spray-A-Gasket® Hi-Temp Adhesive Sealant**

**Item # 80697**

Cylinder head gaskets, carburetor gaskets, exhaust manifold gaskets, high temp. applications. Compatible with gasoline

Temperature Range: -50°F to 500°F



**Permatex® Aviation Form-A-Gasket® No. 3 Sealant**

**Item # 80017**

Close-fitting machined surfaces, sealing hoses, solid gasket dressings. Compatible with gasoline

Temperature Range: -65°F to 400°F

**Permatex® Super "300"® Form-A-Gasket® Sealant**

80057 4 oz. bottle

**Permatex® Tack & Seal™ Gasket Sealant**

80938 1.25 oz. tube, carded

**Permatex® Copper Spray-A-Gasket® Hi-Temp Adhesive Sealant**

80697 12 oz. aerosol can, 9 oz. net wt.

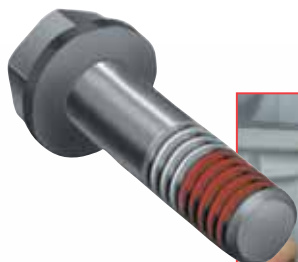
**Permatex® Form-A-Gasket® No. 2 Sealant**

80015 1.5 oz. tube, carded  
80016 3 oz. tube, carded  
80011 11 oz. tube, boxed

**Permatex® Aviation Form-A-Gasket® No. 3 Sealant**

80019 4 oz. bottle  
80017 16 oz. bottle

# THREADLOCKER SELECTOR

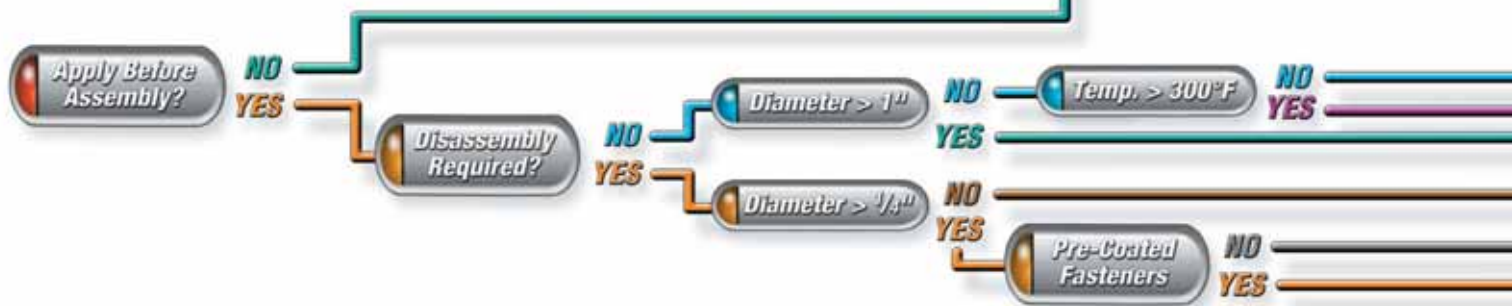


**Permatex®  
Penetrating Grade  
Threadlocker GREEN**

**Item # 29040**

Bolts on alternators,  
air conditioning  
belts, distributor  
clamps, carburetor  
adjustment screws,  
hairline cracks

Temperature Range:  
-65°F to 300°F



## Gel Twist™ Application Directions:



1. Remove protective cap.



2. Turn dial to expose 1/8" to 1/4" of material beyond tip.



3. Apply Threadlocker to engagement area of male fitting.



4. Assemble parts and tighten to recommended torque.





# THREADLOCKER SELECTOR



**Permatex®  
High Strength  
Threadlocker RED**

**Item # 27140**

Cylinder block studs, rocker arm studs, ring gear bolts, frame bolts, shock absorber bolts

Temperature Range:  
-65°F to 300°F



**Permatex®  
Permanent Strength  
Threadlocker RED**

**Item # 19962**

Cylinder block bolts, ring gear bolts, transmission shaft bolts

Temperature Range:  
-65°F to 300°F



**Permatex®  
High Temperature  
Threadlocker RED**

**Item # 27200**

Camshaft sprocket bolts, idler bearings, press fit filler tubes, transmission input and output shaft threads, ring gear or shock bolts

Temperature Range:  
-65°F to 450°F



**Permatex®  
Large Diameter  
Threadlocker RED**

**Item # 27740**

Frame brackets, suspension fasteners, shock absorber mounts, wheel studs

Temperature Range:  
-65°F to 300°F



**Permatex®  
Surface Insensitive  
Threadlocker BLUE**

**Item # 24027**

Rocker studs, rocker adjustment bolts, valve cover bolts, oil pan bolts, disc brake caliper bolts, alternator mounting bolts, pulley assemblies, intake bolts

Temperature Range:  
-65°F to 300°F



**Permatex®  
Medium Strength  
Threadlocker BLUE**

**Item # 24240**

Valve cover bolts, water pump bolts, oil pan bolts, rocker adjustment arm nuts, carburetor studs, case cover bolts, shift lever nuts, disc brake caliper bolts, intake manifold bolts, alternator mounts

Temperature Range:  
-65°F to 300°F



**Permatex®  
Low Strength  
Threadlocker PURPLE**

**Item # 24024**

Carburetor screws, relay lock screws, headlamp screws, throttle body assembly screws, choke assembly screws, fuel injection set screws, body panel mounting fasteners

Temperature Range:  
-65°F to 300°F

**Permatex® Low Strength  
Threadlocker PURPLE**

24024 6 ml tube, carded

**Permatex® Medium Strength  
Threadlocker BLUE**

19960 5 ml polybag  
24206 2.5 ml bottle, carded  
24200 6 ml tube, carded  
24240 36 ml bottle, carded  
24283 90 ml bottle

**Permatex® Medium Strength  
Threadlocker BLUE Gel**

24005 5 g applicator, carded  
24010 10 g applicator, carded

**Permatex® Surface Insensitive  
Threadlocker BLUE**

24027 6 ml tube, carded  
24300 10 ml bottle, carded

**Permatex® High Strength  
Threadlocker RED Gel**

27005 5 g applicator, carded  
27010 10 g applicator, carded

**Permatex® High Strength  
Threadlocker RED**

27100 6 ml tube, carded  
27140 36 ml bottle, carded  
27183 90 ml bottle

**Permatex® Large Diameter  
Threadlocker RED**

27740 36 ml bottle, carded

**Permatex® High Temperature  
Threadlocker RED**

24026 6 ml tube, carded  
27200 10 ml bottle, carded  
27240 36 ml bottle, carded

**Permatex® Permanent Strength  
Threadlocker RED**

19962 6 ml tube, carded

**Permatex® Penetrating Grade  
Threadlocker GREEN**

29000 6 ml tube, carded  
29040 36 ml tube, carded

# EPOXY GUIDE

1 Minute Clear Epoxy	5 Minute General Purpose Epoxy	30 Minute Epoxy
84160	84101, 84164, 84201	84107

## Performance Characteristics

	1 Minute Clear Epoxy	5 Minute General Purpose Epoxy	30 Minute Epoxy
<b>Bond Strength (lbs./sq. inch)</b>	Up to 2500 psi	Up to 3400 psi	Up to 3500 psi
<b>Set Time</b>	1 min.	5 mins.	30 mins.
<b>Epoxy Color</b>	Clear	Clear	Clear
<b>Temp Range</b>	-60 to 180	-60 to 180	-60 to 180
<b>Water Resistant</b>	Y	Y	Y
<b>Chemical Resistant</b>	Y	Y	Y
<b>Drillable/Sandable/ Paintable</b>	Y	Y	Y
<b>Gap Filling</b>	Y	Y	Y

## Bonding Surfaces

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



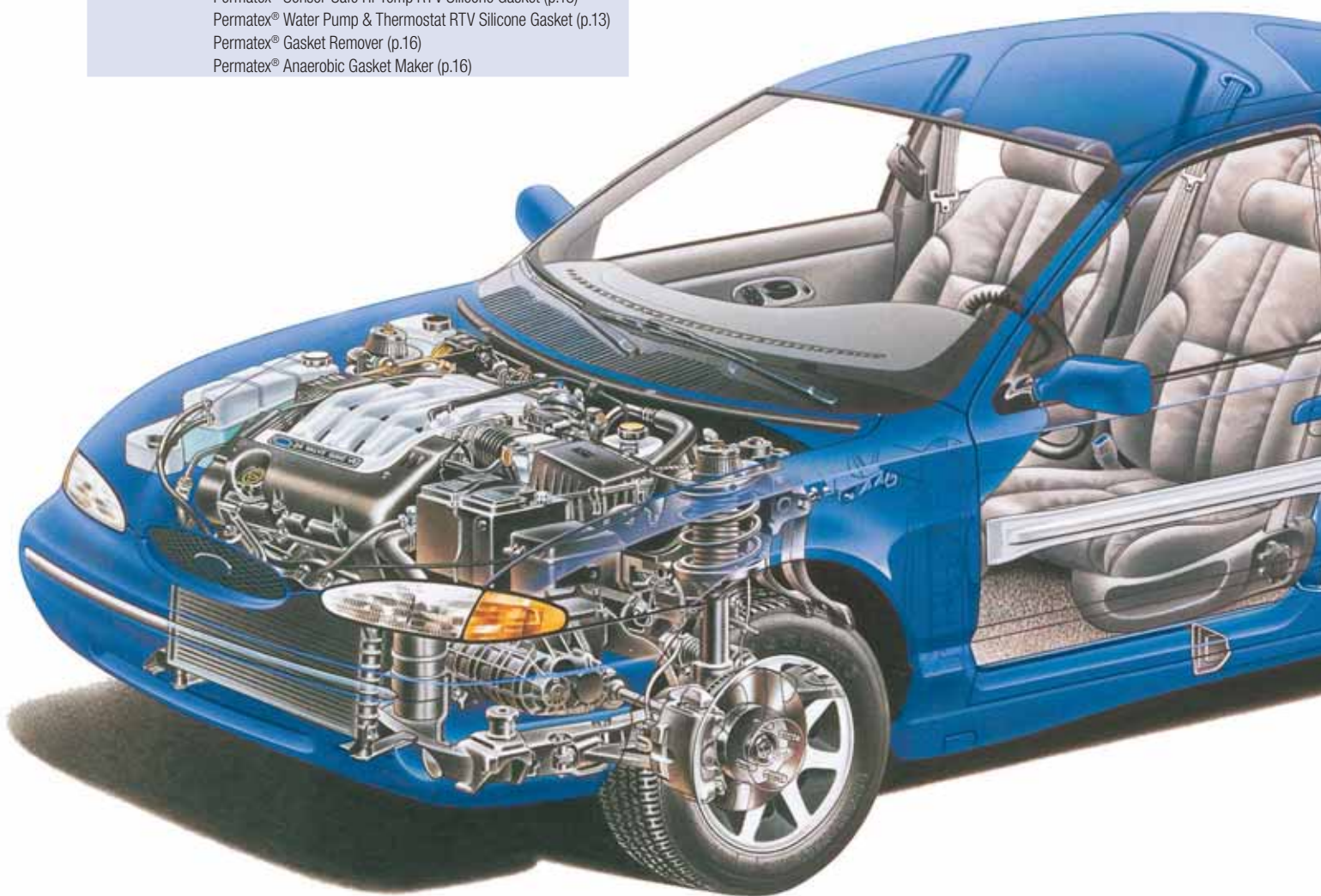


# COMPLETE AUTO CARE

## Under Hood

Maintenance	Solution
Battery	Permatex® Battery Cleaner (p.37 & 52) Permatex® Battery Protector & Sealer (p.37)
Belts	Permatex® Belt Dressing & Conditioner (p.45)
Brakes	Permatex® Brake & Parts Cleaner (p.50)
Engine	Spray Nine® Grez-Off® Heavy Duty Degreaser (p.55) Spray Nine® Earth Soap® Concentrated Cleaner (p.54)
Gaskets	Permatex® the Right Stuff® Gasket Maker (p.11) Permatex® Ultra Black® Gasket Maker (p.12) Permatex® Ultra Blue® Gasket Maker (p.12) Permatex® Ultra Grey® Gasket Maker (p.12) Permatex® Ultra Copper® Gasket Maker (p.12) Permatex® Sensor-Safe Hi-Temp RTV Silicone Gasket (p.13) Permatex® Water Pump & Thermostat RTV Silicone Gasket (p.13) Permatex® Gasket Remover (p.16) Permatex® Anaerobic Gasket Maker (p.16)

Maintenance	Solution
Lubricating	Permatex® Anti-Seize Lubricant (p.46)
Radiator Repair	Permatex® Gas Tank & Radiator Repair (p.43)
Sealing	Permatex® High Temperature Thread Sealant (p.25)
Threadlocking	Permatex® Medium Strength Threadlocker Blue (p.22) Permatex® Surface Insensitive Strength Threadlocker Blue (p.22) Permatex® High Strength Threadlocker Red (p.23) Permatex® Penetrating Grade Threadlocker Green (p.23)
Weld Bonding	Permatex® Cold Weld Bonding Compound (p.30)



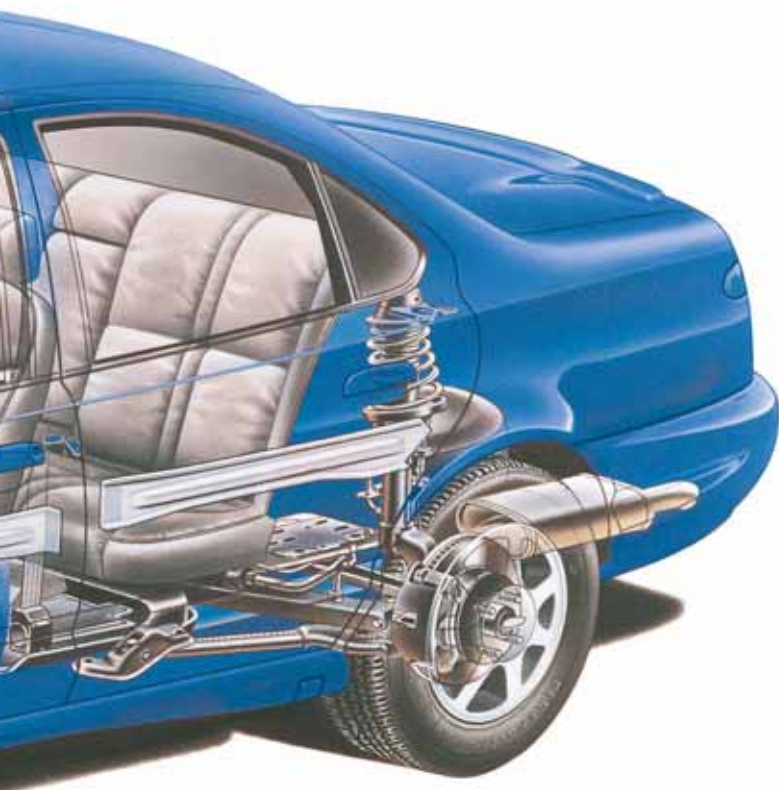


# COMPLETE AUTO CARE

## Exterior

Maintenance	Solution
Adhesive	Permatex® Clear Silicone Adhesive Sealant (p.33) Permatex® Weatherstrip Cement (p.39)
Brakes	Permatex® Brake & Parts Cleaner (p.50) Permatex® Disc Brake Quiet (p.43 & 47) Permatex® Ultra Disc Brake Caliper Lube (p.45 & 50)

Maintenance	Solution
Glass	Permatex® Bullseye™ Windshield Repair Kit (p.36) Windshield Repair Kit (p.41)
Rust	Permatex® Rust Treatment (p.38) Permatex® Rust Dissolver Gel (p.38 & 52)
Steel & Aluminum	Permatex® PermaPoxy™ Multi-Metal Epoxy (p.30)



## Interior

Maintenance	Solution
Adhesive	Permatex® Ultra Bond™ Super Glue Gel (p.29) Permatex® Super Glue (p.29) Dr. Bond® Super Glue (p.29) Permatex® Body Shop® Heavy Duty Spray Adhesive (p.39)
Glass	Permatex® Professional Strength Rearview Mirror Adhesive (p.36) Permatex® Professional Repair Systems Rearview Mirror Kit (p.40)
Fabric	Permatex® Fabric Repair Kit (p.41)
Leather	Permatex® Ultra Series Vinyl & Leather Repair Kit (p.41)
Vinyl	Permatex® Professional Repair Systems Vinyl & Leather Repair Kit (p.41) Permatex® Super Clear Vinyl Sealant Repair Kit (p.41)
Lighting	Permatex® Bulb/Lamp & Electrical Connector Dielectric Grease (p.37 & 48)
Surfaces	Spray Nine® Multi-Purpose Cleaner & Disinfectant (p.53)

## Under Car

Maintenance	Solution
Brake Repair	Permatex® Brake & Parts Cleaner (p.50) Permatex® Ultra Disc Brake Caliper Lube (p.43 & 47) Permatex® Disc Brake Quiet (p.43 & 47)
Gas Tank Repair	Permatex® Instant Gas Tank Repair (p.43) Permatex® Gas Tank & Radiator Repair Kit (p.43)
Radiator Repair	Permatex® Gas Tank & Radiator Repair Kit (p.43)

Maintenance	Solution
Muffler Repair	Permatex® Muffler & Tailpipe Bandage (p.41) Permatex® Muffler & Tailpipe Sealer (p.42) Permatex® Muffler & Tailpipe Putty (p.42) Permatex® 1000° Plus™ Exhaust Repair Kit (p.42)
Undercoating	Permatex® Rust Treatment (p.38) Permatex® Undercoating (p.38)



# MOTORCYCLE APPLICATIONS

## Permatex® Dielectric Tune-Up Grease (p.37 & 48)

All electrical connections; spark plug wires

## Permatex® Ultra Rubber Gasket Sealant & Dressing (p.19)

Rocker Cover Gaskets

## Permatex® High Strength Threadlocker RED or Permatex® High Temperature Threadlocker RED (p.23)

All engine mounting bolts

## Permatex® Vinyl & Leather Repair Kit (p.41)

Seat, backrest, saddle bags

## Permatex® Battery Cleaner (p.37 & 52)

Protector for battery

## Permatex® Bulb/Lamp & Electrical Connector Dielectric Grease (p.37 & 48)

All bulb/lamp connections

## Permatex® Ultra Copper® Gasket Maker (p.12)

Muffler end caps

## Permatex® Brake & Parts Cleaner (p.50) Brakes and any degreasing project

## Permatex® High Temperature Sleeve Retainer (p.27)

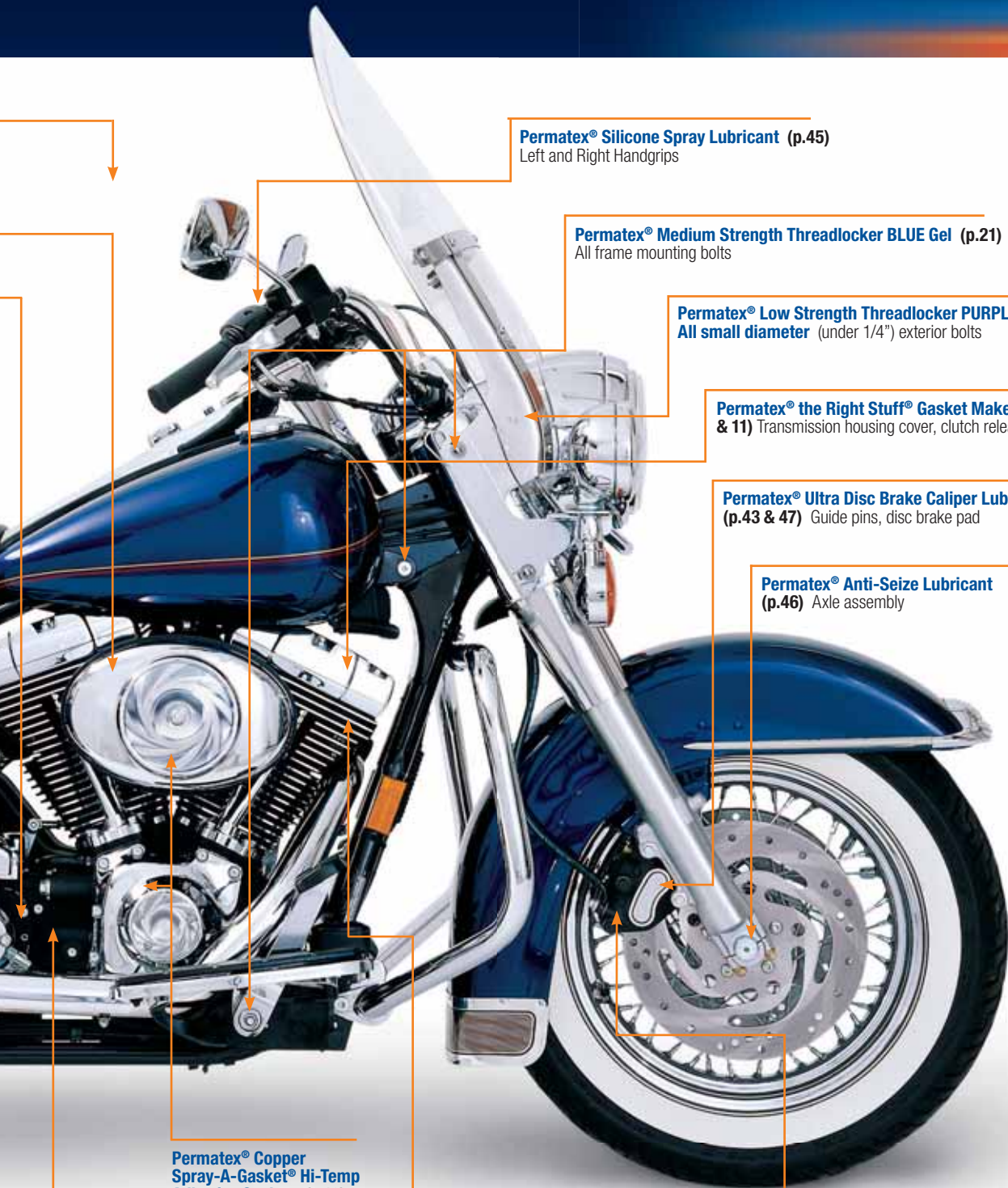
Valve guides

## Permatex® MotoSeal™ 1 Ultimate Gasket Maker Grey (p.17)

Case halves, carburetor gaskets



# MOTORCYCLE APPLICATIONS



**Permatex® Silicone Spray Lubricant (p.45)**  
Left and Right Handgrips

**Permatex® Medium Strength Threadlocker BLUE Gel (p.21)**  
All frame mounting bolts

**Permatex® Low Strength Threadlocker PURPLE (p.22)**  
All small diameter (under 1/4") exterior bolts

**Permatex® the Right Stuff® Gasket Maker (p.10 & 11)** Transmission housing cover, clutch release cover

**Permatex® Ultra Disc Brake Caliper Lube (p.43 & 47)** Guide pins, disc brake pad

**Permatex® Anti-Seize Lubricant (p.46)** Axle assembly

**Permatex® Copper Spray-A-Gasket® Hi-Temp Adhesive Sealant (p.18)**  
Clutch release cover, cylinder head gaskets

**Permatex® Surface Insensitive Threadlocker BLUE (p.22)**  
Head bolts, case bolts, all shift assembly threads

**Permatex® Disc Brake Quiet (p.43 & 47)**  
Back of brake pads

**Permatex® High Performance Thread Sealant (p.25)**  
Timing hole plug, oil hose fitting

**Permatex® Ultra Slick™ Engine Assembly Lube (p.48)**  
Engine Assembly



# ***HEAVY DUTY FLEET REPAIR***



# HEAVY DUTY FLEET REPAIR

## Engines

Product	Typical Application
<b>Permatex® High Strength Threadlocker RED</b> (p.23)	Air Starter Fasteners
<b>Permatex® Anti-Seize Lubricant</b> (p.46)	Prevents seizing and galling of all metals. Withstand temperatures up to 1600°F
<b>Permatex® the Right Stuff® Gasket Maker</b> (p.11)	Valve Covers, Oil Pan
<b>Permatex® Gasket Remover</b> (p.16)	Valve Connectors, Oil Pan Covers
<b>Permatex® High Temperature Thread Sealant</b> (p.25)	Pipe, Water Jacket, Oil Galley Plugs, Oil Pressure & Temperature Sensors, Air Conditioning Fittings, Hydraulic Fittings, Vacuum Line Connectors
<b>Permatex® Medium Strength Threadlocker BLUE Gel</b> (p.21)	Starter Mounts, Alternator Mounts, Engine Mounting Bolts
<b>Permatex® High Temperature Sleeve Retainer</b> (p.27)	Cup Plugs, Bushings, Oil Seals



## Transmissions

Product	Typical Application
<b>Permatex® High Temperature Sleeve Retainer</b> (p.27)	Retaining Bushings, Cup Plugs, Gears, Dowel Pins, Oil Seals
<b>Permatex® High Performance Thread Sealant</b> (p.25)	Drain Plugs, All Tapered Fittings
<b>Permatex® Medium Strength Threadlocker BLUE</b> (p.22)	Case Cover Bolts
<b>Permatex® Anaerobic Gasket Maker</b> (p.15) and <b>Permatex® the Right Stuff® PTO Covers to Housing Gasket Maker</b> (p.10)	Case Covers, Power Divider Shaft Housings, Input/Output Power Shafts,

## Differentials

Product	Typical Application
<b>Permatex® High Strength Threadlocker RED Gel</b> (p.21)	Cap Screws, Mounting Studs
<b>Permatex® Ultra Grey® Gasket Maker</b> (p.12), <b>Anaerobic Gasket Maker</b> (p.15) and the <b>Right Stuff® Gasket Maker</b> (p.11)	Cover Housing Gaskets, Differential, Assembly to Rear Axle Housing, Power Dividers, Axle Shaft Flanges
<b>Permatex® High Temperature Thread Sealant</b> (p.25)	Core Plugs, Drain Plugs
<b>Permatex® Medium Strength Threadlocker BLUE</b> (p.22)	Axle Housing Bolts, Oil Seal Retainer Bolts, Axle Shaft Flange Bolts, Differential Drain Plugs
<b>Permatex® High Temperature Sleeve Retainer</b> (p.27)	Ring Gear Bolts, Differential Lock Pins

## Chassis

Product	Typical Application
<b>Permatex® High Strength Threadlocker RED</b> (p.23)	Suspension Fasteners, Shock Absorber Mounts, Wheel Studs
<b>Permatex® Anti-Seize Lubricant</b> (p.46)	Prevents seizing and galling of all metals. Withstands temperatures up to 1600°F
<b>Permatex® Pro-Strength Brake &amp; Parts Cleaner</b> (p.50)	Quickly dissolves grease, dirt and oil from parts. Prepares mating surfaces for Permatex® products.
<b>Permatex® High Temperature Thread Sealant</b> (p.25)	Air Brake Fitting
<b>Permatex® Medium Strength Threadlocker BLUE</b> (p.22)	Fuel Tank Fasteners, Lug Nuts
<b>Permatex® High Temperature Sleeve Retainer</b> (p.27)	Wheel Bearings, Idler Shafts, Press Fit Bushings

## Bodies

Product	Typical Application
<b>Permatex® High Strength Threadlocker RED</b> (p.23)	Exhaust System Mounts, Bumper Fasteners
<b>Permatex® Super Weatherstrip Adhesive</b> (p.39)	Carpeting, Headliners, Molding Weatherstripping
<b>Permatex® Clear Silicone Adhesive Sealant</b> (p.33)	Windshields
<b>Permatex® Super Glue Adhesive</b> (p.29)	Emblems
<b>Permatex® Medium Strength Threadlocker BLUE</b> (p.22)	Windshield Wiper Nuts, Lug Nuts, Gear Shift Knob, Door Hardware, Running Light Screws, Horn Mounting
<b>Permatex® Fifth Wheel Lubricant</b> (p.48)	All 5th Wheel Plates



# AUTOMOTIVE OEM INTERCHANGE

	Acura	Audi	BMW	Chrysler	Daewoo	Fiat	Ford	General Motors
Permatex® the Right Stuff® Gasket Maker				4883971 MSGF44B	GF-44-A 04883971	PS 9120016	WSE-M4G-323-A6 TA30	12378479 10953472 998-5990 998 5675 12346286 12345997
Permatex® Ultra Black® Gasket Maker				4206070 04883971	MSGF44B		F1AZ-19562-A D6AZ-19562-B EGAZ-19562-A WSK-M4G320-AZ WSE-M4G323-A6 WSE-M4G323-A4 E8AZ-19562-A F6AZ-19562-AA F7AZ-19554-EA TA-30	12345739 12345997 12345997 998 5675 998 5990 10953472
Permatex® Ultra Grey® Gasket Maker	8718-550030 E			82300234 82300235		AA 1204020	WSE-M4G-323-A5, TA29	12346240
Permatex® Blue RTV Silicone Gasket			07-58-9-062-376 11-21-1-262-571					
Permatex® Anaerobic Flange Sealant				M5CD98A 2654871 7778404 J4570650		WSK-M2G-348-A4 TA16		105 2756 1702 1703 998 5361
Permatex® Anaerobic Gasket Maker		0127784		4318083 MSCD 98-D		Gasket Sealant	WSK-M2G348-A5 ESK-M4G-269-A F8AZ-19B508-AB TA16	105 2942 998 5460 105 2943
Permatex® Gear Oil RTV Gasket Maker				05013477AA MSGF46				
Permatex® Automatic Transmission RTV Gasket Maker				05010884AA MSGF41B				
Permatex® Low Strength Threadlocker PURPLE						639428500	WSK-M2G351-A4 ESE-M492204-A1	998 5436 1234 5382
Permatex® Medium Strength Threadlocker BLUE	AMV197500		07-58-9-056-031 0121874	2654392 4318031 MS CC75 04057989		639147100 976173410 639197110	EOAZ-19554-AA WSK-M2G351-A5	12345382 1700 998 5283 9985436
Permatex® Surface Insensitive Threadlocker BLUE			0133789 07-58-9-056-031			886305000	ESK-M4G-247-A2 WSK-M2G351-A7 WSK-M2G351-A2 TA25	
Permatex® Permanent Strength Threadlocker RED		AMV197300	0126374				E2FZ-19554-B TA26 WSK-M2G351-A6	9985300 998 5773 1234593
Permatex® High Strength Threadlocker RED			81229400086 (Specified as 270)	4318032 4057987 MSCD 96-A		976033480	EOAZ-19554-BA WSK-M2G351-A3 ESEM4148A SEEM4203A2	1773 998 5300 9985259
Permatex® High Temperature Threadlocker RED				O 5014205 AA J4570669 8800619 5356 779	Hi-Temp Thread Sealant			12345493 998 5399
Permatex® Large Diameter Threadlocker RED				2654427 MSCD 96-A			WSK-M2G351-A7 ESE-M4G-203A2 TA27	7200 1773 998 5266 1700 1773 12345493
Permatex® Penetrating Grade Threadlocker GREEN				4186369 4187099 MSCC-77			SSM-4G-9520-A WSK-M2G351-A1 ESE-M4G203-A1	998 5306
Permatex® High Temperature Thread Sealant				4318034 4318044 J4570588 2654648 4267247 MSCD- 95A			XW7Z-19554-A DBAZ-19554-A WSK-M2G350-A2	12346004 105 2080 998 5253
Permatex® High Performance Thread Sealant				4187257 MSCD-95B	High Performance Thread Sealant		WSK-M292350-A2 ESE-M492-194-8	12346004 998 5427
Permatex® Bearing Mount for Close Fits			07-58-9-056-030 (Specified as 638)	2654484 4187443 MSCD97A MSCD97-B			EOAZ-19554-BA WSK- M2G349-A1 WSK-M2G349-A5	1651343 9985299 9985262 12377901
Permatex® High Temperature Sleeve Retainer		AMV185100 AMV185101		28044924 4856852 MSCD 97-B			ESE-M492-167-A1 WSK-M2G349-A10	998 5299 998 5345 12377901 998 5409
Permatex® Stripped Thread Repair				4467725				
Permatex® Super Glue			0125342			639997540	WSK-M2G402-A2 TA19	998 5413 1052621
Permatex® Flowable Silicone Windshield & Glass Sealer				4467708				
Permatex® Rearview Mirror Adhesive				4293039 MSCC73 05015983AA 4054099	PS 9120006		D9AZ-19954-CA TA17 ESB-M2G176-A	1052369
Permatex® Black Super Weatherstrip Adhesive				4773774 MS-CC223			E8AZ19552-A COAZ19552-AA ESB-M2G14-A F6AZ9L494AA TA14	12345096 12345097
Permatex® Anti-Seize Lubricant			18219062-599			133 K	XL2	

# AUTOMOTIVE OEM INTERCHANGE

	Honda	Hyundai	Isuzu	Jaguar	Jeep	Land Rover	Maxion
Permatex® the Right Stuff® Gasket Maker						LRNA-25223	
Permatex® Ultra Black® Gasket Maker					RTV SEALER		
Permatex® Ultra Grey® Gasket Maker	296380 08718-0001 296381 HC2963817 08718-5000040E 08718-0009 08740-99986 08718-0004 08718-0003	231-13800 4C116-21000	1215 1216 1207D				0710129
Permatex® Blue RTV Silicone Gasket			1-8844-36-0				
Permatex® Anaerobic Flange Sealant			1-8844-0145-0 1-8844-6376-0				0710105 70490279 0710125 15060008
Permatex® Anaerobic Gasket Maker			1-8844-222-0			LRNA-51831	
Permatex® Low Strength Threadlocker PURPLE						LRNA-22231	
Permatex® Medium Strength Threadlocker BLUE		242 Blue	1-8844-9032-0 1322 1338 1-8844-9033-0 1324 1364 9-8893-2601-0 1333 1370-137 9-8893-2605-0				15060003
Permatex® Surface Insensitive Threadlocker BLUE	08718-0009		JVSCDS0922 JVSCDS0921	1031240 JVS CDS0921		LRNA-24078	
Permatex® Permanent Strength Threadlocker RED			1-8844-6372-0				
Permatex® High Strength Threadlocker RED			1-8844-6373-0 9-8893-2601-0 9-8893-2602-0	1120333		LRNA-21436 (Specified as 270) LRNA-27131	1506033 0710115
Permatex® High Temperature Threadlocker RED		272 Red				LRNA-27240	
Permatex® Large Diameter Threadlocker RED			1-8844-6374-0				0710108
Permatex® Penetrating Grade Threadlocker GREEN			1320,1321,1323 1331,1361	1-8844-6375-0		LRNA-29031	0710109
Permatex® High Temperature Thread Sealant		565 White					
Permatex® High Performance Thread Sealant						LRNA-21456	
Permatex® Bearing Mount for Close Fits				113072			
Permatex® Bearing Mount for Close Fits				113083		LRNA-21448	
Permatex® Super Glue				301054			0710104
Permatex® Rearview Mirror Adhesive		1.1067-2					
Permatex® Anti-Seize Lubricant		82				LRNA-76732	

## Product Description Code Explanation

Item #'s are prefixed by 686226 unless otherwise noted.

Container Size = Contents of individual package

Pack = Number of units per case

Item #	Container Size	Pack
80022	3 oz. tube, carded	12

Please refer to your Permatex Price Schedule for complete Item UPC and check digit.





# AUTOMOTIVE OEM INTERCHANGE

	Scania	Subaru	Suzuki	Toyota		Valmet	Volvo	Volkswagen
Permatex® Ultra Black® Gasket Maker				00001-01001 00001-01002 00295-01282 004403007 TB1217B	00295-00102 00295-01208 00295-01281 TB1215 TB1207 3MT3#08670			
Permatex® Ultra Grey® Gasket Maker		004403007 TB1207 3MT3#08670	TB1215 TB1217B	99104-31140 (TB1207B specified) 99104-31160 (TB1216 specified)	00001-01008			
Permatex® Anaerobic Flange Sealant	378183			00001-01007				
Permatex® Anaerobic Gasket Maker				00001-01005				
Permatex® Medium Strength Threadlocker BLUE	814283		99000-32020	00001-01003		78723013	591255 8701007 1161054-0	AMV197500
Permatex® Surface Insensitive Threadlocker BLUE				00001-01003				
Permatex® Permanent Strength Threadlocker RED	814284 L0020153							AMV197300
Permatex® High Strength Threadlocker RED	814282		99000-32030	00001-01004		078723001	591093 1161070	
Permatex® High Temperature Threadlocker RED		TB1303						
Permatex® Large Diameter Threadlocker RED						07873002	078723001	
Permatex® Penetrating Grade Threadlocker GREEN	814281					078723020	591264	
Permatex® High Temperature Sleeve Retainer						078723017		AMV185100 AMV185101
Permatex® Rearview Mirror Adhesive							1161375-9	
Permatex® Black Super Weatherstrip Adhesive		3M08011						



# OEM INTERCHANGE HEAVY EQUIPMENT

	Case	Caterpillar	Cummins	Detroit Diesel	Fiat Allis	Ford
Permatex® Ultra Black® Gasket Maker		4C9612		23509603		
Permatex® Ultra Blue® Gasket Maker	ZPX81724	8T9022		23509543		
Permatex® High Temp Silicone Gasket Maker		8T9013 4C9614				
Permatex® Anaerobic Flange Sealant	ZPX51550 ZPX51530	515	LT-51531		73127654	E2AZ-19562-A
Permatex® Anaerobic Gasket Maker	ZPX51850			23514188 23513509		
Permatex® Form-A-Gasket® No. 1 Sealant		8T9015 4C9501				
Permatex® Form-A-Gasket® No. 2 Sealant	ZPX31389	8T9016 4C9502				
Permatex® Aviation Form-A-Gasket® No. 3 Sealant	ZPX18130	8T9012 4C9505				
Permatex® Medium Strength Threadlocker BLUE	ZPX24210	9S3263 4C4030	3375067 3824040 3824041 3375068	23509535 23509536	75000776	D5AZ-19554-A D5AZ-10544-A
Permatex® Permanent Strength Threadlocker RED	ZPX26210 ZPX26236			23509537 23509538	75000776	
Permatex® High Strength Threadlocker RED	ZPX27136 ZPX27110	7M7456	3824038 3875068		75000779	E0AZ-19554-B
Permatex® Large Diameter Threadlocker RED	ZPX27736				75000779	
Permatex® Penetrating Grade Threadlocker GREEN	ZPX29036	4C9508 4C9509	3823682	23509539	75000780	290
Permatex® High Temperature Thread Sealant	ZPX59250	SP3413	3375065 3375066		75000777	D8AZ-19554-C
Permatex® Bearing Mount For Close Fits	ZPX60936	7M7456 4C4032	3824037 3823718			
Permatex® High Temperature Sleeve Retainer		4C4031 953265	ST-1272-12		75000778	640, 609
Permatex® Bearing Mount For Relaxed Fits	ZPX68036					
Permatex® Super Glue Adhesive	ZPX82196	404 495	404 495		404 495	D7AZ-19554-C
Permatex® Anti-Seize Lubricant	ZPX76716	767	767	23509545	75000781	767
Permatex® Black Silicone Adhesive Sealant	ZPX81158	3S6252				
Permatex® Clear Silicone Adhesive Sealant	ZPX80855 ZPX80050 ZPX30562	8T9014 4C9613				
Permatex® Rust Treatment		8T9017				
Permatex® Surface Prep Activator	ZPX24163		ST-1272-13		75000782	



# OEM INTERCHANGE HEAVY EQUIPMENT

	GMC	John Deere	Kenworth	Komatsu/Dresser	Mack	International	Volvo GM
Permatex® Ultra Blue® Gasket Maker					5166-58730	1653885C1	V1111015
Permatex® High Temp Silicone Gasket Maker	1052434					554204C1	
Permatex® Anaerobic Flange Sealant	1052357 1052756	TY6304	KW515-50ML	1232272H1	5166-51517	474517C2 1813034C1	
Permatex® Anaerobic Gasket Maker						1693855C1 1693856C1	V1111010
Permatex® Form-A-Gasket® No. 1 Sealant						554206C1	V1111011
Permatex® Form-A-Gasket® No. 2 Sealant				554206C1			
Permatex® Aviation Form-A-Gasket® No. 3 Sealant		TY15934				577588C1 577589C1 577905C1	V1111003 V1111004
Permatex® Medium Strength Threadlocker BLUE	1052279	T43512 AT52853	TY9370	KW242-10ML KW242-50ML	5166-2114 5166-24200 5166-2126		V1111005 V1111006 06479-5002
Permatex® Permanent Strength Threadlocker RED				634017C1	5166-26200	576016C1 576017C1 554210C1	06479-5003 20-700-1460
Permatex® High Strength Threadlocker RED	271	T43513 TY9371	KW271-10ML		5166-2223 5166-27121		
Permatex® Large Diameter Threadlocker RED	277	TY9373					
Permatex® Penetrating Grade Threadlocker GREEN	290	290	290	1232273H1	5166-29021 5166-29026	290	
Permatex® High Temperature Thread Sealant	1052080	TY9374 TY9375	592	634016C1	5166-59214 5166-59231	554209C1 554211C1	20-707-6088 20-700-1462 06479-5004
Permatex® Bearing Mount For Close Fits	609			634018C1		554210C1	V1111007 V1111008
Permatex® High Temperature Sleeve Retainer	1051343 1052624	T43515	KW601-10ML		35, 40, 75, 601, 620	35, 40, 75, 601, 620	20-700-1458 06479-5001
Permatex® Bearing Mount For Relaxed Fits	680	TY15969			5166-68035		
Permatex® Super Glue Adhesive	1052283 1052621	404, 495	404, 495	(495) 634228C1	5166-49411	554208C1	V1111896
Permatex® Anti-Seize Lubricant	767	767	767	844234C1	5166-76759 5166-76764	991441C1 991442C1	
Permatex® Black Silicone Adhesive Sealant				VS7493		991443C1	V1111020
Permatex® Clear Silicone Adhesive Sealant		TY15130		638896C1	5166-66BR	554204C1	V1111014
Permatex® Surface Prep Activator				644905C1	5166-2556	554207C1	

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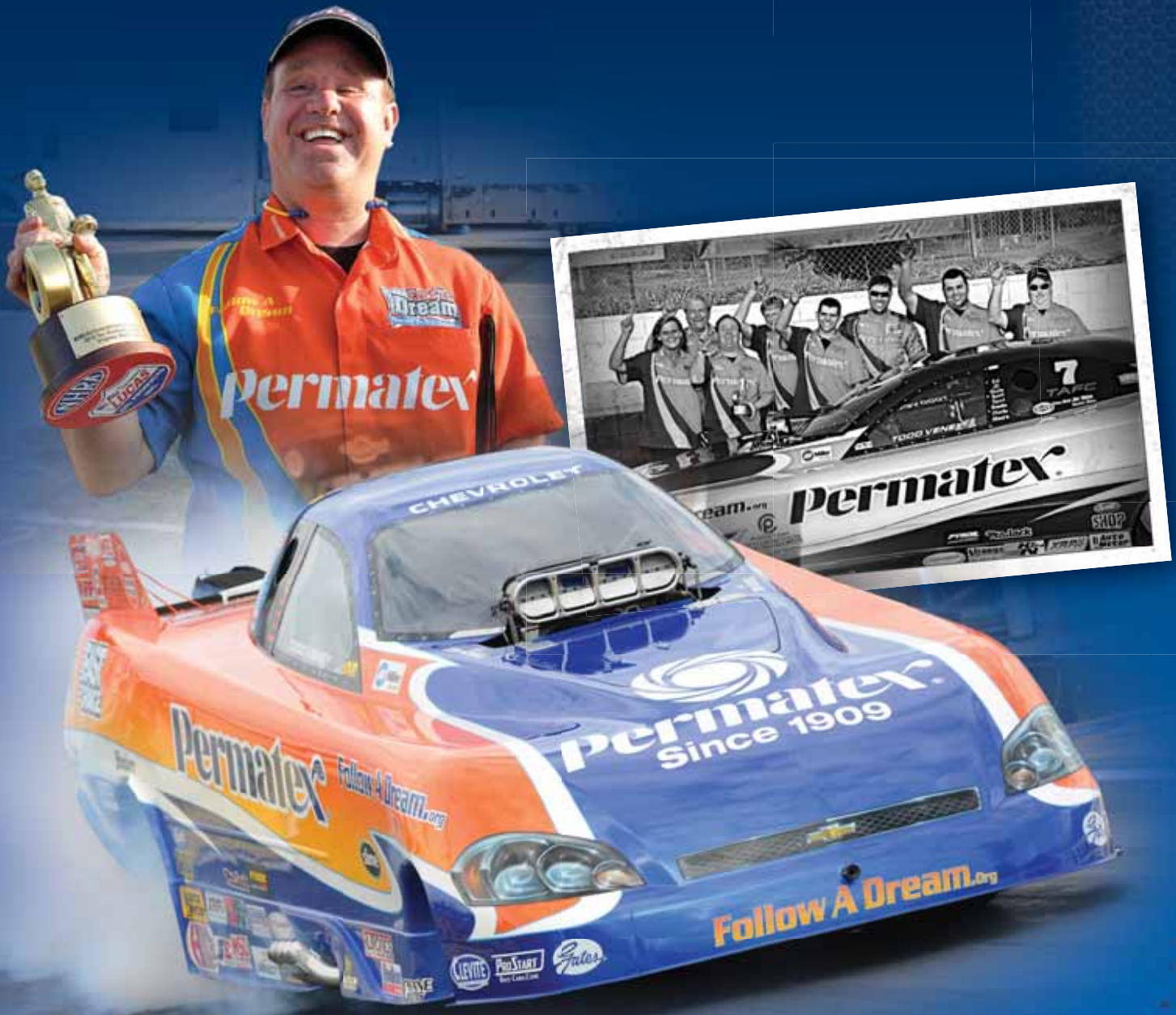
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