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## Permatex 24200

# Permatex 24200 Threadlocker Blue Medium Strength: Instruction Manual

## INTRODUCTION

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The Permatex 24200 Threadlocker Blue is a medium-strength anaerobic adhesive designed to secure threaded fasteners. It prevents loosening due to vibration and shock, while also sealing threads to protect against leaks and corrosion. This product is suitable for a wide range of applications where fasteners may require future disassembly with standard hand tools.



Image: Permatex 24200 Threadlocker Blue in its retail packaging, showing the product tube and key features.

## PRODUCT FEATURES

- **Medium Strength:** Provides secure fastening while allowing disassembly with hand tools.
- **Vibration Resistance:** Prevents parts from loosening under dynamic loads and vibrations.
- **Corrosion Protection:** Seals threads to guard against rust and corrosion.
- **Versatile Application:** Ideal for nut and bolt applications sized 1/4" to 3/4" (6mm to 20mm).
- **Liquid Formula:** Easy to apply to threaded components.

# MEDIUM STRENGTH BLUE THREADLOCKER



**Prevents parts  
loosening**



**Protects from  
corrosion**



**Hand tool Removable**



Image: Product packaging highlighting features such as hand tool removable, 1/4"-3/4" (6-20mm) application range, and prevention of vibration loosening.

## SAFETY INFORMATION

Always read the product label and Material Safety Data Sheet (MSDS) before use. Use in a well-ventilated area. Avoid contact with skin and eyes. In case of contact, flush with water immediately. Keep out of reach of children. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning).



# Permatex® Threadlocker BLUE Medium Strength

Fijador de Roscas Azul de Mediana Resistencia

Permatex® THREADLOCKERS							
Product Name	Low Strength	Medium Strength	Permanent Strength	High Strength	High Temperature	Large Diameter	Penetrating Grade
Item# Example	24024	24200	19962	27100	27200	27740	29000
Color	Purple	Blue	Red	Red	Red	Red	Green
Fastener Size	up to 1/4" (up to 6mm)	1/4" to 3/4" (6 to 20mm)	3/8" to 1" (10 to 25mm)	3/8" to 1" (10 to 25mm)	3/8" to 1.5" (10 to 38mm)	1" and Larger (25mm and Larger)	#2 to 1/2" (2.2 to 12mm)
Torque (in. lbs.) Break / Prevail	55 / 20	115 / 50	190 / 275	250 / 250	200 / 225	275 / 250	65 / 225
Shear Strength	500 PSI	NA	2250 PSI	NA	3000 PSI	2500 PSI	1500 PSI
Maximum Temperature	+300°F (+149°C)	+300°F (+149°C)	+300°F (+149°C)	+300°F (+149°C)	+450°F (+232°C)	+300°F (+149°C)	+300°F (+149°C)
Common Applications	Set screws, calibration screws, adjustment screws, meters and gauges.	Machine tools and presses, pumps and compressors, mounting bolts, and gear boxes.	Cylinder block bolts, ring gear bolts, and transmission stud bolts.	Cylinder block and rocker arm studs, shock absorber mounts and ring gear bolts.	Camshaft sprocket bolts, idler bearings, transmission input/output shaft threads, ring gear or shock bolts.	Frame brackets, suspension fasteners, shock absorber mounts and wheel studs.	Preassembled fasteners, instrumentation screws, electrical connectors, carburetors.
When to Apply	BEFORE assembly.	BEFORE assembly.	BEFORE assembly.	BEFORE assembly.	BEFORE assembly.	BEFORE assembly.	AFTER assembly.

Permatex® Threadlockers fixture in approximately 20 minutes and are fully cured within 24 hours. Permatex® Surface Prep™ activator reduces fixture time to 5 minutes. Preceding values are for 3/8"-16 steel "as received" nuts and bolts at 72°F (22°C).

1. Clean and dry parts using Permatex® Surface Prep™ activator. 2. Shake threadlocker before each use. 3. Remove cap and snip nozzle tip. 4. Apply to threaded areas and assemble parts. Refer to Technical Data Sheet for complete information. **NOTE:** Threadlocker is for use on metal parts and is not to be used on plastics. **For Red Threadlocker,** cured product must be heated to 500°F (260°C) before parts will separate.

1. Limpie y seque las piezas usando el activador Surface Prep™ de Permatex®. 2. Agite el adhesivo para tornillos antes de cada uso. 3. Destape y corte la punta de la boquilla. 4. Aplique a las áreas roscadas y arme las piezas. Consulte la Hoja de Datos Técnicos para obtener la información completa. **NOTA:** El adhesivo para tornillos debe usarse en piezas de metal solamente y no es apto para usarlo en piezas de plástico. **En el caso del adhesivo rojo para tornillos,** el producto seco debe calentarse a una temperatura superior a 500°F (260°C) antes de poder separar las piezas.



**WARNING / ATENCIÓN**  
Causes skin irritation / Provoca irritación cutánea  
Causes serious eye irritation / Provoca irritación ocular grave  
May cause cancer / Puede provocar cáncer



May cause damage to organs through prolonged or repeated exposure  
Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas

**Precautionary Statements - Prevention:** Contains dimethyl hydroperoxide, cumene, titanium dioxide. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection. **Precautionary Statements - Response: IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. **Precautionary Statements - Storage:** Protect from sunlight. Store in a well-ventilated place. Store locked up. **Precautionary Statements - Disposal:** Dispose of contents/container to an approved waste disposal plant. **Keep out of the reach of children**

**Consejos de prudencia - Prevención:** Contiene dimetilhidroperóxido, cumeno, dióxido de titanio. Pedir instrucciones especiales antes del uso. No manipular la sustancia antes de haber leído y comprendido todas las instrucciones de seguridad. Utilizar el equipo de protección individual obligatorio. No respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol. Utilizar el equipo de protección individual obligatorio. Lavarse concienzudamente la cara, las manos y las áreas de la piel expuestas tras su manipulación. **Consejos de prudencia - Respuesta: EN CASO DE CONTACTO CON LOS OJOS:** Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Si persiste la irritación ocular: Consultar a un médico. **EN CASO DE CONTACTO CON LA PIEL:** Lavar con agua y jabón abundantes. En caso de irritación cutánea: Consultar a un médico. Quitar las prendas contaminadas y lavarlas antes de volver a usarlas. **Consejos de prudencia - Almacenamiento:** Proteger de la luz del sol. Almacenar en un lugar bien ventilado. Guardar bajo llave. **Consejos de prudencia - Eliminación:** Eliminar el contenido/el recipiente en una planta de eliminación de residuos autorizada. **Mantener fuera del alcance de los niños**



**WARNING: Cancer** - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
**ADVERTENCIA: Cáncer** - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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[www.permatex.com](http://www.permatex.com) Item# 24200 30-24200

Image: The reverse side of the Permatex Threadlocker Blue packaging, displaying safety warnings, usage instructions, and product specifications.

## SETUP & PREPARATION

For optimal performance, ensure surfaces are clean and dry. Remove any oil, grease, or dirt from the threads using a suitable cleaner. Allow surfaces to dry completely before application.



Image: A hand applying a drop of blue threadlocker liquid onto the threads of a metal bolt, demonstrating the application process.

## APPLICATION INSTRUCTIONS

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1. Clean and dry all threaded parts thoroughly.
2. Shake the product well before each use.
3. Apply several drops of Permatex 24200 Threadlocker Blue to the bolt threads in the area where the nut will rest.
4. Assemble and tighten the parts as usual.
5. Allow 20 minutes for initial curing and 24 hours for full cure before subjecting to full load.

This medium-strength threadlocker is ideal for various applications, including:

- Valve Cover Bolts
- Water Pump Bolts
- Oil Pan Bolts
- Drive Shaft Bolts
- Rocker Arm Adjustment Nuts
- Carburetor Studs
- Intake Manifold Bolts



Image: Permatex Threadlocker Blue packaging shown alongside illustrations of common applications like oil pan bolts, valve cover bolts, and water pump bolts.

## Helpful Videos

Your browser does not support the video tag.

Video: This video provides guidance on how to select the appropriate threadlocker for various applications, explaining the differences between types.

Your browser does not support the video tag.

Video: This video demonstrates the application and benefits of thread lock products, showcasing their use in securing fasteners.

## MAINTENANCE

Permatex 24200 Threadlocker Blue is designed for easy disassembly with standard hand tools. To remove a fastener, simply apply appropriate torque with a wrench or other hand tool. No special heating or solvents are typically required for removal.

## TROUBLESHOOTING

- **Fastener not holding:** Ensure surfaces were clean and dry before application. Verify that the correct amount of threadlocker was applied and allowed sufficient cure time.
- **Difficulty removing fastener:** While designed for hand tool removal, excessive threadlocker or prolonged cure times in certain conditions might increase removal torque. Ensure you are using appropriate hand tools.

## PRODUCT SPECIFICATIONS

Specification	Detail
Item Model Number	59-9212
Material	Anaerobic Threadlocking
Style	Liquid - Medium Strength
Item Weight	0.05 Pounds
Product Dimensions	5 x 3.81 x 6.5 inches; 0.8 ounces
Manufacturer	Permatex
Date First Available	April 1, 2004

## WHAT'S IN THE BOX

- One (1) tube of Permatex 59-9212 Threadlocker Blue Medium Strength (6 ml)

## WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or any other inquiries, please refer to the official Permatex website or contact their customer service directly. Permatex is committed to providing high-quality products and support.