

## Permatex 24240

# Permatex 24240 Medium Strength Blue Threadlocker Instruction Manual

## 1. INTRODUCTION

---

This manual provides detailed instructions for the proper use, application, and removal of Permatex 24240 Medium Strength Blue Threadlocker. This product is designed to secure metal fasteners against loosening caused by vibration and shock, while still allowing for disassembly with standard hand tools.

## 2. SAFETY INFORMATION

---

### **WARNING: EYE AND SKIN IRRITANT.**

Read all cautions and instructions on the product packaging and Safety Data Sheet (SDS) before use. The SDS can be obtained from the Permatex website.

- **Eye Protection:** Always wear appropriate eye protection (e.g., safety glasses) when handling this product.
- **Skin Protection:** Wear chemical-resistant gloves to prevent skin contact. Wash hands thoroughly after handling.
- **Ventilation:** Use in a well-ventilated area. Avoid breathing vapors.
- **First Aid:**
  - **Eyes:** Immediately flush with plenty of water for at least 15 minutes. Seek medical attention.
  - **Skin:** Wash with soap and water. If irritation persists, seek medical attention.
  - **Inhalation:** Remove to fresh air. If symptoms persist, seek medical attention.
  - **Ingestion:** Do NOT induce vomiting. Call a poison control center or doctor immediately.
- **Keep Out of Reach of Children:** Store this product securely away from children and pets.

## 3. PRODUCT OVERVIEW

---



The Permatex 24240 is a medium strength anaerobic threadlocker, identifiable by its blue color. It is supplied in a 36 mL (1.22 fl. oz.) bottle. This product is designed to prevent the loosening of threaded fasteners due to vibration and shock, while still allowing for disassembly using standard hand tools.

#### Key Features:

- **Strength:** Medium
- **Color:** Blue
- **Removability:** Hand tool removable
- **Fastener Size Range:** Suitable for fasteners from 1/4 inch to 3/4 inch (6mm to 20mm) in diameter.
- **Function:** Prevents vibration loosening.

## 4. PREPARATION

---

Proper surface preparation is crucial for optimal performance of the threadlocker.

1. **Clean Surfaces:** Ensure all threaded parts are clean and free from oil, grease, dirt, rust, and other contaminants. Use a suitable cleaning solvent if necessary, and allow parts to dry completely.
2. **Dry Surfaces:** The surfaces must be completely dry before application.
3. **Inactive Metals:** For inactive metals (e.g., stainless steel, aluminum, plated surfaces), or if cure speed is too slow, consider using a Permatex surface primer/activator. Follow the primer's instructions for application.

## 5. APPLICATION INSTRUCTIONS

---

Follow these steps for effective application of Permatex 24240 Threadlocker:

1. **Shake Well:** Shake the bottle thoroughly before each use to ensure proper mixing of the product.
2. **Apply to Threads:** Apply several drops of threadlocker to the bolt threads in the area where the nut will rest. For through-holes, apply to the leading edge of the bolt and the mating surface of the nut. For blind holes, apply several drops down the internal threads to the bottom of the hole.
3. **Assemble Parts:** Assemble the parts promptly and tighten to the recommended torque specifications.
4. **Avoid Over-Application:** Do not over-apply the product. A thin, even coating is sufficient.

## 6. CURING AND FIXTURE TIME

---

The threadlocker begins to cure when confined between metal surfaces in the absence of air.

- **Fixture Time:** Parts will fixture (reach handling strength) typically within 10-20 minutes at room temperature (22°C / 72°F).

- **Full Cure:** The product will achieve full strength after 24 hours. Allow this time before subjecting the assembly to full operational loads.
- **Temperature Effects:** Cure times may vary with temperature. Lower temperatures will prolong cure times, while higher temperatures will accelerate them.

## 7. DISASSEMBLY AND REMOVAL

---

Permatex 24240 is designed for easy removal with standard hand tools.

- **Standard Disassembly:** For removal, apply localized heat to the nut or bolt to approximately 150°C (300°F) if disassembly is difficult.
- **Hand Tools:** Once heated, the fastener can typically be removed using hand tools.
- **Cleaning:** After disassembly, any cured product residue can be removed mechanically (e.g., with a wire brush) or with a suitable solvent.

## 8. STORAGE

---

Proper storage ensures the longevity and effectiveness of the product.

- Store in a cool, dry location between 8°C and 28°C (46°F and 82°F).
- Keep the container tightly sealed when not in use.
- Do not return used product to the original container to prevent contamination.

## 9. SPECIFICATIONS

---

Specification	Detail
Product Name	Permatex 24240 Medium Strength Blue Threadlocker
Brand	Permatex
Model Number	24240 (Item model number: AH130-MAIN)
Volume	36 mL (1.22 fl. oz.)
Strength	Medium
Color	Blue
Removability	Hand Tool Removable
Fastener Size Range	1/4" to 3/4" (6mm to 20mm)
Item Form	Liquid
Manufacturer	Permatex

## 10. DISPOSAL

---

Dispose of unused product and empty containers in accordance with all local, state, and federal regulations. Do not pour down drains or dispose of with household waste.

## 11. WARRANTY AND SUPPORT

---

Permatex products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Permatex website or contact their customer service directly. Keep your purchase receipt for any warranty claims.