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6875 Parkland Boulevard, Solon
Ohio 44139

Technical Data Sheet

Permatex® ScrewGlue

Multi-Material

Industrial

PRODUCT DESCRIPTION

Permatex® ScrewGlue Multi-Material is a medium strength, fast curing adhesive designed to lock screws, nuts, and bolts in place. This product is a single component, moisture-curing liquid that forms an ideal bond for all 6mm to 25mm (1/4 inch to 1 inch) diameter threaded assemblies. Permatex® ScrewGlue Multi-Material excels at sealing plastic, wood, and metal threads for both interior and exterior applications.

PRODUCT BENEFITS

Improved Reliability

- Bonds dissimilar materials such as metal, wood, and most plastics
- Forms lasting bond that resists heat, vibration, and chemicals
- Seals threads to resist rust and leaks
- Increases holding power of screws, nuts, and bolts
- Cures without cracking or shrinking

Easy Application

- Single component
- No mess squeeze tube applicator
- Low viscosity, yet resists dripping during assembly
- No torque compensation required during assembly

TYPICAL APPLICATIONS

Prevents loosening and leakage of threaded fasteners.

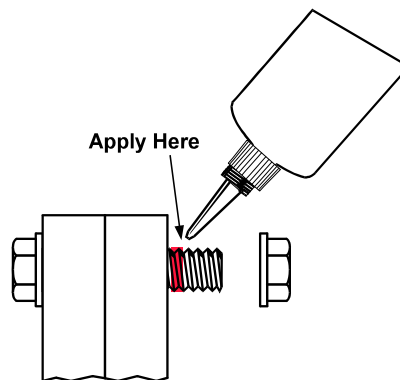
Particularly suitable for screws and holes such as:

- Door knobs
- Cabinet handles
- Interior and exterior furniture
- TV and photo mounts
- Drywall anchors
- Kitchen utensils
- Kids toys
- Sports equipment
- Marine vehicles

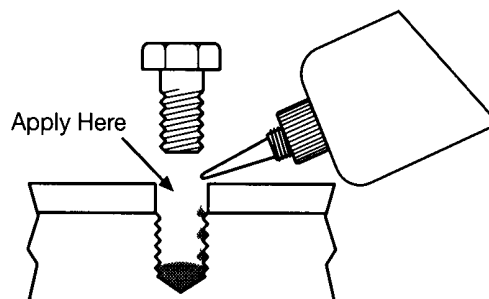
DIRECTIONS FOR USE

For assembly

1. Clean all threads (bolt and hole) with a cleaning solvent such as rubbing alcohol or nail polish remover (acetone) and allow to dry.
2. Shake ScrewGlue thoroughly before use.
3. **For Through Holes**, apply 2-3 drops of ScrewGlue onto the engagement area (usually 5-6 threads) of the screw or bolt.



For Blind Holes, apply by dripping several drops of ScrewGlue onto the female threads of the hole. As threads are engaged, compressed air forces the product upwards into the threads.



4. Assemble parts and tighten to recommended torque.
5. Wipe away any bleed-out or spills with a clean cloth and small amount of cleaning solvent if necessary.

PROPERTIES OF UNCURED MATERIAL

| | Typical Value |
|----------------------------|---------------|
| Chemical Type | Cyanoacrylate |
| Appearance | Blue Liquid |
| Specific Gravity, g/ml | 1.06 |
| Viscosity @ 25°C, (cP) | 1500-2000 |
| Flash Point (TCC), °F (°C) | 185 (85) |

TYPICAL CURING PERFORMANCE

Permatex® Plastic Threadlocker cures on exposure to humidity. The rate of cure will depend on the ambient temperature. Fixture time is 1-2 minutes and full cure is within in 24 hours at room temperature, 72°F (22°C).

NOT FOR PRODUCT SPECIFICATIONS.

THE TECHNICAL DATA CONTAINED HEREIN ARE INTENDED AS REFERENCE ONLY.

PLEASE CONTACT PERMATEX, INC., TECHNICAL SERVICE DEPARTMENT FOR ASSISTANCE AND RECOMMENDATIONS FOR YOUR SPECIFIC APPLICATION.
PERMATEX, INC., 6875 PARKLAND BOULEVARD, SOLON, OH 44139 PHONE - (1-87PERMATEX)

PERFORMANCE OF CURED MATERIAL

(After 24 hrs. at 72°F on 3/8-16 steel Grade 8 Nuts and Grade 5 bolts)

| | Typical | |
|---------------------------------|-------------|------------------------|
| | Value | Range |
| Breakaway Torque, in-lb (Nm) | 120 (13) | 60 to 150 (7 to 17) |
| Prevail Torque, in-lb (Nm) | 55 (6) | 30 to 85 (3 to 10) |

Breakaway torque is the force required to initiate the fastener movement; prevail torque is the force required to disassemble the fastener once breakaway torque is reached.

TYPICAL ENVIRONMENTAL RESISTANCE

Temperature Resistance

Product temperature range from -65°F to +185°F (-54°C to +85°C). The breakaway and prevailing torque values decrease as temperature increases; however, the assembly remains effective against vibration and leakage.

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

| Part Number | Container Size |
|-------------|---------------------------|
| 28207 | 5g bottle, blister carded |

STORAGE

Products shall be ideally stored in a cool, dry location in closed containers at a temperature between 14°F (-10°C) to 86°F (30°C). Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

NOTE

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