



ITW Performance Polymers
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Technical Data Sheet

Permatex® Pipe Joint Compound

AAM Revised 04/12

PRODUCT DESCRIPTION

Permatex® Pipe Joint Compound is a black, viscous, brushable liquid sealant and lubricant designed to help assemble and seal threaded joints on gas, water, steam, oil and fuel lines.

PRODUCT BENEFITS

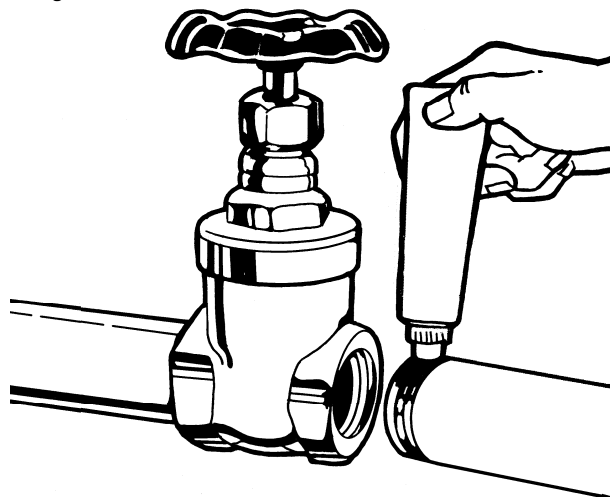
- Non-hardening for easy disassembly
- Works to 400°F (204°C)
- Sealing pressures to 5000 psi (100 psi for steam)
- Outperforms Teflon tape and does not shred
- No measuring or mixing
- Prevents galling and corrosion

TYPICAL APPLICATIONS

- Threaded pipe
- Pipe fittings
- Flanges
- Safe for use on hot and cold (non-potable) water, steam, illuminating gas, propane gas, butane gas, natural gas, lubricating oils, fuel oils, gasoline, gasoline vapor, kerosene, diesel fuel, ethylene glycol, glycerin and other liquids and gasses.

DIRECTIONS FOR USE

1. Clean threads to be sealed. A light coating of oil or grease will not affect the sealability.
2. Apply the compound to the male threads, brushing into the grooves of the threads.



3. Assemble the parts.
4. On flanges and gaskets, apply a thin coat to each surface.
5. Let stand for 5 minutes and then assemble

For Cleanup

1. Clean up with isopropyl alcohol.
2. Clean hands with a dry cloth or Permatex® Fast Orange® hand cleaner.

PROPERTIES OF UNCURED MATERIAL

	Typical Value
Chemical Type	Polymerized vegetable oil
Appearance	Black viscous liquid
Odor	Alcoholic
Specific Gravity	1.28
Viscosity	Flow similar to mustard
Flash Point, TCC, °F	76

TYPICAL CURING PERFORMANCE

Permatex® Pipe Joint Compound cures by the evaporation of solvent. Full properties will be affected in 24 hours.

PERFORMANCE OF CURED MATERIAL

Forms a semi-liquid, flexible seal when fully cured.
Temperature range -65°F to +400°F (-54°C to +204°C)

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
80045 (51D)	16 oz. bottle

STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 82°F) unless otherwise labeled. 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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