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## Technical Data Sheet

# Permatex<sup>®</sup> Form-A-Gasket<sup>®</sup> No. 1 Sealant

AAM Revised 09/02

### PRODUCT DESCRIPTION

**S.I.N.: 834-300**

Permatex<sup>®</sup> Form-A-Gasket<sup>®</sup> No. 1 Sealant is a reddish brown, viscous paste with a characteristic alcoholic odor. It is a fast drying paste that changes to a hard, semi flexible seal through solvent evaporation. It seals flanges, fittings, connections and assemblies against leakage. Improves gasket seal in permanent and rigid assemblies.

### PRODUCT BENEFITS

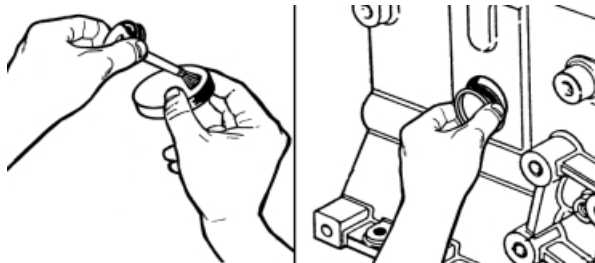
- Extends gasket life
- Prevents leaks
- Fast drying
- Hard setting
- Withstands pressures up to 5000 psi

### TYPICAL APPLICATIONS

- Freeze plugs
- Automotive and industrial sealant for permanent assemblies
- Threaded connections
- Manifold gaskets
- Air ducts
- Boilers
- Pipe fittings
- Plumbing connections

### DIRECTIONS FOR USE

1. Remove all previous material from mating surfaces. Permatex<sup>®</sup> Gasket Remover is recommended for most materials, not for plastics or painted surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent, such as Permatex<sup>®</sup> Brake and Parts Cleaner.
3. Remove cap, puncture tube or cartridge seal and attach extension nozzle (if provided).
4. When used as a gasket dressing, spread product with a spatula to a uniform film on one side of gasket and then position it on the assembly. Coat the second side of gasket and re-assemble.



5. Assembly is operational after 2 hours, full cure is effective after 24 hours.

### For Cleanup

1. The product can be removed from metal surfaces with isopropyl alcohol. If the sealant has been dried for a long time or at high temperatures, cover the sealant with alcohol and allow to soften overnight.
2. Clean hands with Permatex<sup>®</sup> brand hand cleaners.

### PROPERTIES OF UNCURED MATERIAL

	Typical Value
Chemical Type	Modified resin, fillers & alcohol
Appearance	Red - brown paste
Odor	Alcohol
Specific Gravity	1.5
Viscosity	Viscous paste
Flash Point, TCC, _C (_F)	Does not apply

### TYPICAL CURING PERFORMANCE

Permatex<sup>®</sup> Form-A-Gasket<sup>®</sup> No. 1 Sealant once applied, develops a hard, semi-flexible sealant by solvent evaporation. Dry times will vary with temperature, humidity and gap.

### TYPICAL ENVIRONMENTAL RESISTANCE

Temperature Resistance	Typical Values
Continuous, °C (°F)	-54 to 204 (-65 to 400)

### Chemical / Solvent Resistance

The product retains effective properties in contact with water, ethylene glycol, gasoline, motor oil, transmission fluid and sea water.

### 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
80007 (1AR)	1.5 oz. tube, carded
80008 (1BR)	3 oz tube, carded
80003 (1C)	11 oz tube, boxed

### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8\_ to 28\_C (46\_ to 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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