



Toll Free: 87 PERMATEX
(877-376-2839)

10 Columbus Blvd., Hartford,
Connecticut 06106

6875 Parkland Boulevard, Solon
Ohio 44139

Technical Data Sheet

Permatex® Form-A-Gasket® No. 1 Sealant

INDUSTRIAL

PRODUCT DESCRIPTION

S.I.N.: 834-300

Permatex® Form-A-Gasket® 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 seal through solvent evaporation. It seals rigid flanges, fittings, connections and assemblies against leakage. Improves gasket seal in permanent and rigid assemblies. Conforms to Mil-S-45180D, Type I.

PRODUCT BENEFITS

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

TYPICAL APPLICATIONS

To be applied to cut gaskets to improve sealing and hold in place.

DIRECTIONS FOR USE

1. Remove all previous material from mating surfaces. Permatex® 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® 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® 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® Form-A-Gasket® No. 1 Sealant once applied, develops a hard set 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

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. **Permatex, Inc. specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Permatex, Inc. products and disclaims any liability for consequential or incidental damages of any kind, including lost profits.** This product may be covered by one or more United States or foreign patents or patent applications.

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., HARTFORD SQUARE NORTH, 10 COLUMBUS BOULEVARD, HARTFORD, CT 06106 PHONE - (1-87PERMATEX) 09/02