



PR-1995 Class B fuel tank sealant

Description

PR-1995 Class B is a primerless two-part, firewall sealant based on silicone polymer. This material is designed for sealing firewall structures against the passage of air and vapors. It has a service temperature range from -65 °F (-54 °C) to 400 °F (204 °C) and will withstand flash temperatures up to 3500 °F (1927 °C).

PR-1995 Class B remains an effective sealant after long term exposure to phosphate ester based hydraulic fluids.

PR-1995 Class B is also available in preformed parts using PPG's proprietary Ambient Reactive Extrusion (PPG ARE™) additive printing technology.

The following tests are in accordance with PRC-DeSoto International specification test methods, unless otherwise noted.

Application properties (typical)

Color	
Part A	gray
Part B	gray
Mixed	gray
Mixing Ratio	
By weight	Part A:Part B 10:100
Viscosity of Base Compound, Poise (Pa-s) (Brookfield #7 @ 2 rpm)	
	7, 000 (700)
Slump, inches (mm)	
Initial	0.15 (3.8)
Application life, hours	
	2
Cure time @ 77 °F (25 °C), 50 %RH, Durometer A	
24 hours	35
7 days	50

Performance properties (typical)

Cured 7 days @ 77 °F (25 °C), 50 %RH	
Specific Gravity	1.62
Nonvolatile Content, %	98
Peel strength, pli (N/25 mm), 100% cohesion	
No exposure	
AMS-C-27725 (IFT coating)	7 (30)
Shear strength, psi (kPa), 100% cohesion	
Standard cure	300 (2070)
Standard cure + 7 days @ 400 °F (204 °C)	200 (1380)
Tensile Strength, psi (kPa)	
30 days @ 77 °F (25 °C), 50% RH	400 (2760)
7 days immersion in phosphate ester	250 (1720)
Elongation, %	
30 days @ 77 °F (25 °C), 50% RH	110
7 days immersion in phosphate ester	100
Low temperature flexibility at -65 °F after 7 days at 400 °F (204 °C) - no cracking	
Flame Resistance	
@ 2000 °F (1093 °C), 15 minutes	no flame penetration
@ 3000 °F (1927 °C), 3 minutes	no flame penetration

Note: The application and performance property values above are typical for the material but not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions, and configurations.

Surface preparation

Immediately before applying sealant to primed substrates, the surfaces should be cleaned with solvents. Contaminants such as dirt, grease and/or processing lubricants must be removed prior to sealant application.

A progressive cleaning procedure should be employed using appropriate solvents and a new lint-free cloth. (Reclaimed solvents or tissue paper should not be used.) Always pour solvent on the cloth to avoid contaminating the solvent supply. Wash one small area at a time.

It is important that the surface is dried with a second clean cloth prior to the solvent evaporating to prevent the redeposition of contaminants on the substrate. Substrate composition can vary greatly. This can affect sealant adhesion. It is recommended that adhesion characteristics to a specific substrate be determined prior to application on production parts or assemblies.

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Surface preparation (continued)

For a more thorough discussion of proper surface preparation, please consult the SAE Aerospace Information Report AIR 4069. This document is available through SAE, 400 Commonwealth Avenue, Warrendale, PA 15096-0001.

Packing Options

PR-1995 Class B is supplied in a two-part can kit or Semkit®.

PR-1995 Class B is also available in preformed parts using PPG ARE technology.

Storage life

The storage life of PR-1995 Class B is at least 6 months when stored at temperatures below 80 °F (27 °C) in original, unopened containers.

Health Precautions

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Safety Data Sheet (SDS) which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An SDS is available upon request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

**For emergency medical information call
1-800-228-5635**

**Additional information can be found at:
www.ppgaerospace.com**

**For sales and ordering information call
1-800-AEROMIX (237-6649)**

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This document has been reviewed by the PPG Aerospace Export Control Department and has been determined to contain only EAR99 controlled data.

PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
Telephone (818) 362-6711
Toll Free (800) AEROMIX
www.ppgaerospace.com

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