

Technical Data Sheet

Aerospace Sealants



PR-1432®-G sprayable corrosion inhibitive sealant

Description

PR-1432®-G Sprayable is a sprayable, corrosion inhibitive sealant. It has a service temperature range from -65 °F (-54°C) to 250 °F (121 °C), with intermittent excursions up to 275 °F (135 °C). The cured sealant prevents corrosion between dissimilar metals.

PR-1432-G Sprayable is a two-part, dichromate cured polysulfide sealant. The uncured mixture is suitable for application by brush or spray. It cures at room temperature to seal common aircraft substrates and prevent galvanic corrosion.

The following tests are in accordance with PRC-DeSoto International, Inc. and other OEM specification test methods.

Application properties (typical)

Color	
Part A	Black
Part B	Grey
Mixed	Dark Grey
Mixing Ratio	
By weight	Part A:Part B 1:15
Base viscosity, Poise (Pa-s)	
(Brookfield #2 @ 10 rpm)	8.5 (0.85)

Application life and cure time @ 77 °F (25 °C), 50% RH

		Cure time to
Spray application	Tack free time	40 Rex
life (minutes)	(hours)	(hours)
90	6	72

Performance properties (typical)

Cured 14 days @ 77 °F (25 °C), 50% RH	
Cured specific gravity	1.4
Nonvolatile content, %	66
Ultimate cure hardness, Rex	45
Shear strength, psi (MPa), 100% cohesion, 48 hrs @ 75 °F (23 °C) + 14 hrs 120 °F (48 °C)	
No exposure	
QQ-A-250/12 (Aluminum)	250 (1.7)
Soluble chromate, % weight	
3-5	

Resistance to fluids: excellent resistance to water, alcohols, synthetic and petroleum-based lubricating oils, and petroleum based hydraulic fluids.

Low temperature flexibility @ -65 °F (-54 °C) – no cracking

Fungal resistance

Non-nutrient

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.

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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.

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-1432-G sealant is supplied in two-part can kits.

Storage life

The storage life of PR-1432-G sealant stored in two-part can kits is at least 6 months when stored at temperatures below 80 °F (26 °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:
<https://www.ppg.com/en-US/aerospace>

**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.

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