

PR-2001 Class B-6 and B-12 supplemental data

Description

PR-2001 Class B is a rapid-cure, low-odor sealant intended for use in fillet sealing of aircraft integral fuel tanks, fuselage, and aerodynamic smoothing applications. It has a service temperature range from -80°F (-62°C) to 320°F (160°C), with intermittent excursions up to 420°F (216°C). The cured sealant maintains excellent elastomeric properties after prolonged exposure to both jet fuel and aviation gasoline.

PR-2001 Class B is a two-part, epoxy-cured PERMAPOL® P-3.1 polythioether compound. The uncured material is a low-sag, thixotropic paste, suitable for application by extrusion gun or spatula. Unlike standard polysulfide fuel tank sealants, it can cure at low temperatures and is unaffected by changes in relative humidity. This sealant has excellent adhesion properties to properly prepared common aircraft substrates.

The following tests were run in accordance with those methods specified in AMS3277 Type II, Class B.

Please see [PR-2001 Class B Technical Data Sheet](#) for more information on the sealant's performance properties, packaging and safety information.

Application properties (typical)

Tested at 77°F (25°C), 50% RH

| | |
|-----------------------------|----------------------|
| Color | |
| Part A | Black |
| Part B | White |
| Mixed | Light gray |
| Mixing ratio | Part A:Part B |
| By weight | 18.5:100 |
| Base viscosity | |
| (Brookfield #7 @ 2 rpm), | |
| Poise (Pa-s) | 13,700 (1,370) |
| Slump, inches (mm) | Initial: 0.10 (2.54) |
| | 3 hrs: 0.10 (2.54) |
| | 5.5 hrs: 0.10(2.54) |
| Application time, minimum | B-6: 6 hours |
| | B-12: 12 hours |
| Tack-free time, maximum | B-6: 72 hours |
| | B-12: 96 hours |
| Cure time to 30 durometer A | B-6: 72 hours |
| | B-12: 96 hours |

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.

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 on 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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