

## PR-1005-L Buna-N slosch coating

### Description

PR-1005-L is an aircraft integral fuel tank slosch coating. It has a service temperature range from -73°C (-100°F) to 121°C (250°F), with intermittent excursions up to 135°C (275°F). This material is designed as topcoat or barrier coating. The cured coating is resistant to prolonged exposure to both jet fuel and aviation gas.

PR-1005-L is a one part, synthetic rubber solution. The uncured material is a thin syrup suitable for application by brush, fill-and-drain, dip or spray. It cures at room temperature by the evaporation of solvent to form a smooth, tough, flexible transparent film having excellent adhesion to common aircraft substrates and polysulfide sealants.

This product is qualified to several manufacturers' specifications. Please contact PRC-DeSoto Europe for further information.

The following tests are in accordance with MIL-S-4383 specification test methods.

### Application properties (typical)

Colour	Red
Viscosity (Brookfield #2 @ 10 rpm), Pa-s (Centipose)	0.9 (900)
Appearance; clear, uniform, free of skin, lumps, and gelled or coarse particles	Conforms
Working properties; smooth, uniform, no film irregularities	Conforms
Dry time @ 25°C (77°F), 50% RH, mins	20
Toxicity	Non-toxic

### Performance properties (typical)

Cured 2 days @ 25°C (77°F), 50% RH	
Specific gravity	0.85
Nonvolatile content, %	21
Peel strength, N/25 mm (pli), 100% cohesion	

JRF immersion, 7 days at 60°C (140°F)

MIL-S-7502 98 (22)

QQ-A-250/13 (Alclad) 122 (30)

Recoating properties - Good bonding.

No lifting, blistering or loss of adhesion.

Low temperature flexibility @ -54°C (-65°F) -

No cracking, checking or loss of adhesion.

Resistance to heat @ 82°C (180°F) - No hardening, blistering, checking, shrinking, or loss of adhesion.

Resistance to salt water and hydrocarbon -

No softening, blistering, leaching, apparent corrosion of the metal, or loss of adhesion.

**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 the appropriate solvents and 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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## **PR-1005-L Buna-N slosH coating**

### **Storage life**

The storage life of PR-1005-L is at least 12 months when stored at temperatures below 27°C (80°F) 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 Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

**For sales, ordering and technical information, please contact PRC-DeSoto Europe, Ltd.**

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