NSL AEROSPACE

NSL1422RC Class B
Aircraft Rapid Cure Integral Fuel Tank Sealant

Product Description:
NSL1422RC Class B is a fuel resistant sealant for use on integral fuel tanks and pressurized cabins as well as other areas subject to contact with aircraft fuels, lubricants, oils, water and/or weathering.

NSL1422RC Class B is a two-part polysulfide base compound which cures at room temperature to a flexible, resilient rubber.

When mixed, NSL1422RC Class B is a thixotropic paste that will not flow. For mixed application life details see cure profile below.

Product Features:
- Excellent adhesion to aluminum, magnesium, titanium, steel and numerous other aircraft substrates.
- Designed to withstand the attack of sulfur compounds that are present in jet fuels and aviation gas.
- Service temperature range -65°F (-54°C) to 250°F (121°C) with excursions to 275°F (135 °C).
- Suitable for application by extrusion gun or spatula.

Heat-Accelerated Curing:
Increased temperature and relative humidity will reduce work life and speed up the cure. Reduced temperature and relative humidity will extend work life and slow the cure.

Replacement For:
PR-1422 Class B

Conforms[4] To:
AMS-S-8802 & BMS5-26U by FAA-PMA Approval

Cure Profile:

	B-1/2	B-2
Application Life (hrs) [3]	1/2	2
Tack Free Time (hrs) [3]	<5	<9
Cure Time to 35 Shore A (hrs)	<5	<12

Packaging:
Available in 2½- and 6-oz. cartridges, pint, quart and gallon kits. Also available in premixed and frozen cartridges. Other-size packaging available upon request.

Shelf Life:
Sealed containers: 9 months when stored below 80°F. Slight changes in work life, viscosity and curing rate may occur but will not affect end performance of the product.

Typical Properties:

UNCURED		
Color:	Base	Black
	Curing Agent	White
	Mixed	Dark Gray
Mixing Ratio: (by weight)		100:12
	(by volume)	100:9.7
Non-volatile Content		97%
Viscosity, poise		
	Base	11,000[2]
	Curing Compound	1,000[1]
Specific Gravity		1.45
Consistency		Paste
CURED – ROOM TEMPERATURE		
Cured – 7 days @ R.T.[3]		
	Tensile Strength, PSI	200
	Elongation, %	300
	Durometer, Shore A	52
	Min. Peel Strength, PPI	25
Fungus Resistance		Non-nutrient

[1] Brookfield RVF Spindle #6
[2] Brookfield RVT Spindle #7
[3] Conditions 77°F and 50% R.H.
[4] Material and data depicted on this TDS is provided to Aerospace Sealants by the approved manufacture supplier(s) for this material. Qualification and inclusion on the QPL(s) is by the supplier(s) per their material identification and conforms as required by the governing specification.

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