

TECHNICAL DATA

Super Koropon® Fluid Resistant Interior Primers

Description

Super Koropon® fluid resistant interior primers are conventional solids, chemically cured, lead and cadmium free epoxy primers. These high performance primers are formulated to protect the interior of aircraft corrosion. Super Koropon® fluid resistant interior primers have excellent adhesion to a variety of substrates and exhibit a high degree of Skydrol® resistance. These primers have been used successfully on a wide variety of aircraft throughout the world.

Super Koropon® fluid resistant interior primers are compatible with all non-electrostatic application equipment and are easy to spray. For further details on the application parameters for these primers, consult the application guide for Super Koropon® fluid resistant interior primers or contact your local PPG Aerospace Application Support Center.

Super Koropon® fluid resistant interior primers are qualified to the following specifications:

515K011

- 207-9-436 Classification C
- A8B91-S
- BAMS 565-001 Class A Grade A
- BMS 10-11 Type I Class A Grade A
- EMS 93284 Type I Class A
- LES 1091
- MEP 10-059
- MS100013E
- RM 11-0018-1288-9
- RMS 118

513K009

- BAMS 565-001 Class A Grade A
- BMS 10-11 Type I Class A Grade A

515-700

- 171A4764P1
- DMS 1786 Composition A
- GM 5009
- MMS-415
- SP-676
- STMO 685
- VS 1-3-1-41

Super Koropon® fluid resistant interior primers are compatible with the following topcoats:

- BMS 10-11 Type II
- BMS 10-60 Type I
- DPM 5391
- DMS 2143

Application Properties (Typical)

Application temperature	65°F - 95°F (18.3°C - 35°C)
Application humidity	18% - 95%
Mix ratio (by volume)	
515K011 (Base)	1 part
910-012 (Activator)	1 part
513K009 (Base)	1 part
910-012 (Activator)	1 part
515-700 (Base)	1 part
910-704 (Activator)	1 part
Viscosity	
Initial (#1 Zahn cup)	26 to 35 sec.
Pot life	
515K011/513K009 (16 hours)	35 sec. max.
515-700 (8 hours)	10 sec. rise max
VOC, EPA method 24	650 grams/l
Dry film density	
515K011	0.00942 lbs/ft² @ 1.0 mil dry film
513K009	0.00937 lbs/ft² @ 1.0 mil dry film
515-700	0.00956 lbs/ft² @ 1.0 mil dry film
Theoretical coverage	
515K011	362 ft²/gal @ 1.0 mil dry film
513K009	382 ft²/gal @ 1.0 mil dry film
515-700	352 ft²/gal @ 1.0 mil dry film
Recommended dry film thickness	0.5 to 0.9 mils (12.5 - 22.5 microns)
Drying times @ 75°F (23.9°C)	
Tack free	30 min. max.
Air dry to stack	45 min.
Dry to tape	2 hours
Dry through	4 hours
Dry to topcoat	1 to 24 hours
Dry to fly	48 hours
Full cure	7 days
Accelerated cure	
15 minutes flash off @ 75°F (23.9°C), then 40 to 45 minutes at 140°F (60°C)	
Color	
515K011	Green, BAC 452
513K009	Yellow, BAC 377
515-700	Light green
Spray equipment: Compatible with all forms of non-electrostatic spray equipment	
Shelf life	
24 months from date of manufacture	

Super Koropon® Fluid Resistant Interior Primers

Performance Properties (Typical)

Service temperature -65°F to 350°F (-54°C to 176.7°C)	Conforms
Flexibility 1/8 inch (3.12 mm) dia Conical Mandrel	Conforms
Low temperature flexibility 4 inch (100 mm) Mandrel @ -65°F (-54°C)	Conforms
Impact resistance 50 inch/lbs, (forward)	Conforms
30 inch/lbs, (reverse)	Conforms
Film hardness F pencil minimum	Conforms
Fluid resistance Skydrol® (LD-4), 30 days @ 77°F (25°C)	Conforms
Distilled H ₂ O, 7 days @ 77°F (25°C)	Conforms
TT-S-735 Type III, 30 days @ 77°F (25°C)	Conforms
MIL-H-5606, 30 days @ 77°F (25°C)	Conforms
MIL-L-7808, 30 days @ 77°F (25°C)	Conforms
Corrosion Salt spray Passes 3000 hours	Conforms
Filiform Passes 30 days @ 100°F (37.8°C) and 85% RH	Conforms
Dissimilar metals 5% salt spray for 2000 hours	Conforms
Magnesium corrosion 5% salt spray for 200 hours	Conforms

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.

Storage Life

Inspect the condition of the container to ensure compliance to FED-STD-141, Method 3011.1. The material should be stored at temperatures between 40°F to 100°F (4.4°C to 37.8°C) to ensure shelf life.

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 industrial use only. Keep away from children.

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

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

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