

Zip-Chem ZC-023 Corrosion Inhibiting Compound

Description Zip-Chem ZC-023 is designed to be a high penetration, water displacing, thin film corrosion inhibiting compound for use on high profile aircraft substrates. The resulting film is flexible and tack-free.

Application The product can be applied by conventional airless or air-operated spray equipment. The coating should be applied at 1 mil wet film thickness. Additional application methods are dip, brush, or aerosol as product D-5023NS.

- Features**
- ▶ Water Displacing
 - ▶ 100% Penetration
 - ▶ Low VOC
 - ▶ Detectable Film
 - ▶ Solvent Removable
 - ▶ Very low dry film weight
 - ▶ Non-Sagging Film
 - ▶ Fast-Drying Non-Tacky Film
 - ▶ >500 Hours Salt Spray
 - ▶ Non-Cracking and Flaking to -40°F(-40°C)
 - ▶ High Solids > 40%

Specifications ZC-023 conforms to the following specifications:

- ▶ BMS 3-23F Type II

Physical Properties	▶ Flash Point	115°F (46.1°C)
	▶ Specific Gravity	0.84
	▶ Viscosity	25 cps.
	▶ Water Displacement	0% Rust
	▶ Non-Volatiles	>40% min.
	▶ Drying Time	1 hour
	▶ Color	Transparent Amber
	▶ Exfoliation	Pass
	▶ Solvent Type	Aliphatic
	▶ Low Temp Flaking	Pass
	▶ Penetration	BMS 3-23F pass
	▶ Compatibility Cd,Mg,Al	Pass

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Packaging Aerosol, quarts, gallons, 5 gallons, drums. Special packaging upon request.



Zip-Chem Products A Division of Andpak-EMA, Inc.
1860 Dobbin Drive, San Jose, California 95133
(408) 729-0291 • (800) 648-2661 • fax (408) 272-8062

Zip-Chem ZC-023 Corrosion Inhibiting Compound

Test ID	Requirement	Actual
▶ Flash Point	>100°F (37.8°C)	>115°F (46.1°C)
▶ Sprayability	Preval @ Temp Cycle	Pass
▶ Low Temp Adhesion	< 1/32 inch at -40° +/- 5°F	Pass
▶ Non-Volatile Content	>40%	42%
▶ Detectability	Type II Under Visible Light	Pass
▶ Removability	Removable with Aliphatic Naphtha	Pass
▶ Storage Stability	2 years (40° to 100°F) (4.4°C to 37.8°C)	Pass
▶ DryingTime	24 Hours Dry	1 Hour
▶ Compatibility With Cadmium	Per Spec	Pass
▶ Water Displacement	Per Mil-C-16173	Pass
▶ Viscosity	Within 10% of QPL	25 CPS
▶ Corrosion Inhibiting	Max 3 Dots After 1500 Hrs	Pass
	No Attack Per ASTM G34 @ 48 Hours	Pass
▶ Functional Penetration	No Panel <80% in 24 Hours	Pass
	Average 3 Panels >85% in 24 Hours	Pass

Contact your Boeing Representative for QPL status



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Zip-Chem ZC-029 Corrosion Inhibiting Compound

Description Zip-Chem ZC-029 is designed to be a long lasting, high solids, low volatiles, high penetration, water displacing, corrosion inhibiting compound for use on high profile aircraft substrates. The finished coating is non-tacky with a light amber tint.

Application The product can be applied by conventional airless or air-operated spray equipment. The coating should be applied at 2-3 mils wet film thickness. Aerosol application is available as D-5029NS.

- Features**
- ▶ Water Displacing
 - ▶ High Penetration
 - ▶ Low VOC
 - ▶ Detectable Film
 - ▶ Solvent Removable
 - ▶ Very low dry film weight (<1 mil required to surpass specification)
 - ▶ Non-Sagging Thixotropic Film
 - ▶ Fast-Drying Non-Tacky Film
 - ▶ >1500 Hours Salt Spray
 - ▶ Non-Cracking and Flaking to -40°F(-40°C)
 - ▶ High Solids > 51%

Specifications ZC-029 conforms to the following specifications:

- ▶ BMS 3-23F Type II
- ▶ BMS 3-26
- ▶ BMS 3-29
- ▶ DMS 2150 Type 1 & Type 2

Physical Properties	▶ Flash Point	122°F(50°C)
	▶ Specific Gravity	0.89
	▶ Viscosity	140 cps.
	▶ Water Displacement	0% Rust
	▶ Non-Volatiles	51% min.
	▶ Drying Time	<12 hour
	▶ Color	Transparent Amber
	▶ Exfoliation	Pass
	▶ Solvent Type	Aliphatic
	▶ Low Temp Flaking	Pass
	▶ Penetration	BMS 3-23F pass
	▶ Compatibility Cd,Mg,Al	Pass

Packaging Aerosol, quarts, gallons, 5 gallons, drums. Special packaging upon request.



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Zip-Chem ZC-029 Corrosion Inhibiting Compound (BMS 3-29A)

Test ID	Requirement	Actual
▶ Flash Point	>100°F(37.8°C)	>122°F(50°C)
▶ Sprayability	Preval @ Temp Cycle	Pass
▶ Low Temp Adhesion	< 1/32 inch at -40° +/- 5°F (-40°C +/- 6°C)	Pass
▶ Non-Volatile Content	>40%	55%
▶ Detectability	Type II Under Visible Light	Pass
▶ Removability	Removable with Aliphatic Naphtha	Pass
▶ Storage Stability	2 years (40° to 100°F)(4.4°C to 37.8°C)	Pass
▶ DryingTime	24 Hours Dry	Pass
▶ Compatibility With Cadmium	Per Spec	Pass
▶ Water Displacement	Per Mil-C-16173	Pass
▶ Viscosity	Within 10% of QPL	140 CPS
▶ Corrosion Inhibiting	Max 3 Dots After 1500 Hrs	Pass
	No Attack Per ASTM G34 @ 48 Hours	Pass
▶ Functional Penetration	No Panel <80% in 24 Hours	95%
	Average 3 Panels >85% in 24 Hours	Pass

Contact your Boeing Representative for QPL status

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