

Military Specification Conformance

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Conversion Coatings on Aluminum and Aluminum Alloys

Product	Mil Spec	Type	Class
Solugold 5105	MIL-DTL-5541F	1	
	MIL-C-18706	1a,3	

Conversion Coatings on Aluminum and Aluminum Alloys Reference Legend

5541F			
Type 1	Compositions containing hexavalent chromium		
Type 2	Compositions containing no hexavalent chromium		
Class 1A	For maximum protection against corrosion, painted or unpainted		
Class 3	For protection again corrosion where low electrical resistance is required		

Phosphate Coatings on Ferrous Metals

Product	Mil Spec	Type	Class
Solucoat 5027 J	MIL-DTL-16232G	Z	1,2,3
Solucoat 5047	MIL-DTL-16232G	Z	1,2,3
Solucoat 5037J	MIL-DTL-16232G	M	1,2,3

Rust Preventative Oils

Product	Mil Spec	Grade	Class
Soloil 173-3	MIL-C.16173E	3,4	1
Soloil 4225	MIL-C.16173E	3	2
Soloil PRP-6	MIL-C.16173E	3	1
Soloil 5066	MIL-C.16173E	2	1
Soloil 5066 Plus	MIL-C.16173E	1	1
	MIL-C-62218 (AT)		
Soloil 5311 B-REV	MIL-C.16173E	3	1
Soloil 6040	MIL-C.16173E	1	1
Soloil 6044	MIL-C.16173E	2	1
Soloil Blackguard	MIL-C.16173E	1	1
Soloil Low Odor	MIL-C.16173E	3	1
Soloil MAX	MIL-C.16173E	1	1
	MIL-C-62218 (AT)		

Rust Preventative Reference Legend

Grade 1	Hard Film, 175 deg. F. pour point after drying	Class 1	High VOC >2.8 lb/gl
Grade 2		Class 2	Low VOC, <2.8 lb/gl
Grade 3	Water displacing, soft film		
Grade 4	Transparent, non tacky film		
Grade 5	Low pressure steam removable film		