Special Processes

Fusion Welding

Regulation	Description
AWS 2.4	Symbols for welding and Non-Destructive Testing
AWS 5.12	Specification for Tungsten Arc Welding Electrodes
AWS 3.0	Welding Terms and Definitions
AWS 5.9	Specification for Bare Stainless Steel Welding Electrodes and Rods
AWS C1.M-C1	Recommended Practice for Resistant Welding
AWS-D17.1D17.1M	Specification for Fusion Welding for Aerospace Applications
PS 6.3606 (CLASS 2-N OR 3)	Specification for Fusion Welding for Aerospace Applications
NE 40-056 (TYPE II)	Specification for Fusion Welding for Aerospace Applications
MIL-R-5031	Rod and Wire, Welding, Corrosion and Heat Resistant Alloys
MIL-STD-2219	Fusion Welding for Aerospace Applications
MIL-A-18455	Argon Technical

Heat Treating Process

Heat Treatments only applies to Aluminum Alloys
- Solution Heat Treatment
- Artificial Aging Heat Treatment
- Annealing Heat Treatment

In accordance with AMS 2750 and AMS 2770 (AMS-H-6088)
NADCAP ACCREDITATION AC7102

Regulation	Description
AMS2750	Pyrometry
AWPS001Q	Pyrometry
NTAA98252	Pyrometry
BAC5621	Pyrometry
AMS2770	Heat Treatment of wrought Aluminum Alloy Parts
BAC5602	Heat Treatment of Aluminum Alloys
AWPS006T	Heat Treatment of Aluminum Alloys
NTA71250	Heat Treatment of Aluminum Alloys

Special Processes

Chemical Processing /Surface Treatment

Galvanic & Surface Treatments

- Sulfuric Acid Anodizing (SAA) for Aluminum Alloy in accordance with MIL-A-8625
- Chromic Acid Anodizing (CAA) for Aluminum Alloy in accordance with MIL-A-8625
- Conversion Coating Alodine 1200S for Aluminum Alloy in accordance with MIL-DTL-5541
- Passivation Treatments for Stainless Steel parts in accordance with AMS 2700 Method 1 (Nitric Acid) Type 1-2-3 and ASTM A967

NADCAP ACCREDITATION AC7108

Regulation	Description
MIL-A-8625 TY I & II	Anodic Chromic & Sulfuric Coating for Aluminum and Aluminum Alloys
MIL-DTL-5541 TY I & III	Chemical Conversion Coating on Aluminum and Aluminum Alloys
MIL-DTL-81706	Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys
AMS2700 METH. I	Passivation of Corrosion Resistant Steels
PS 6.5561	Passivation of Corrosion Resistant Steels
AWPS002T	Conversion Coating of Chromating on Aluminum Alloys
NTA 72269	Chemical Conversion Coating on Aluminum and Aluminum alloys
PS 6.5541	Chemical Conversion Coating on Aluminum and Aluminum alloys
NE 40-006	Chemical Conversion Coating on Aluminum and Aluminum alloys
NTA73552	Chromic Acid Anodizing
PS 6.5501	Chromic Acid Anodizing
NE 40-030	Chromic Acid Anodizing
AWPS003T	Chromic Acid Anodizing
ASTM-B-117	Standard Test Method of Salt Spray (FOG) Testing
ASTM-B244	Measurement of thickness of Anodic Coating on Aluminum

Primer Application and Paint

Application of Fluid Resistant Primer and Enamels in accordance with MIL PRFR23377
and MIL-PRF-22750

NADCAP ACCREDITATION AC7108/1

Regulation	Description
MIL-PRF-23377	Primer Coatings, Epoxy, Chemical and Solvent Resistant
MIL-DTL-53022	Primer, Epoxy Coating, Corrosion Inhibiting Lead and Chromate Free
MIL-PRF-85285	Coating, Polyurethane, Aircraft and Support Equipment
MIL-PRF-22750	Coating, Epoxy Polyamide, VOC Compliance
MIL-DTL-53039	Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant
NTA73253	Painting of Internal Surfaces with Epoxy/Polyurethane Coating
NTA73269	Painting Metal Surfaces with Polyurethane Primer and Enamel
STA100-84-27	Painting Metal Surfaces with Polyurethane Primer and Enamel
STA 10084-64	Painting Metal Surfaces with Polyurethane Primer and Enamel
AWPS002V	Application of Waterborne Chromate Free Primer
STA 100-84-51	Application of Epoxy Primer
PS 6.6013-01	Application of Epoxy Primer
PS 6.6013-14	Application of Epoxy Primer
PS 6.6013-27	Application of Epoxy Primer
NE 40-143	Application of Epoxy Primer
UNI EN ISO2409	Paint and Varnishes - Cross-cut Test
FED-STD-141	Paint, Varnish Lacquer and Related Materials Methods of Inspection, Sampling and Testing