



Testing Laboratory Approval for Independent Laboratory

MEMO N°: AM-LAB-016-13 Rev.4

Approval Date: 05/11/2002

SUBJECT: INDEPENDENT TESTING LABORATORY APPROVAL

Revision Date: 29/06/2023

SCOPE: See Annex 1

TITANIA

Parque Tecnológico Tecnobahía
Edificio Retse Nave 4, 11510 El Puerto de Santa María, Cádiz.

In accordance with CASA1400 is hereby approved as:

INDEPENDENT TESTING LABORATORY According to CASA-1400-55-FT

LIMITATIONS:

The approval is limited to the tests, sites and limitations included in the Annex 1.

ACTIONS TO BE PERFORMED BY TITANIA:

The Qualification Dossier has to be maintained by supplier as process owner.

REFERENCE DOCUMENTATION:

2013-EXTR-0389	Airbus DS Doc.	Audit reference
196333	Titania Doc.	Nadcap audit reference
201632	Titania Doc..	Nadcap audit reference

REMARKS:

Airbus Defense and Space does not consider as valid any deviation not expressly stated in this document.

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ANNEX 1. Approved Scope

- WATER AND SOLUTION ANALYSIS

Test / Analysis	Method/ Test Procedure
pH of water	AIMS 09-00-003
Non-volatile-residue	AITM 3-0038
Titration of sulphuric and tartaric acid in anodizing electrolytes	AITM 3-0030
Determination of chloride contaminations in surface treatment baths	AITM 3-0035
Determination of acid concentration in acid baths	AITM 3-0036
Combined Determination of Free Hydroxide and Aluminium in Alkaline Surface Treatment Baths	AITM 3-0034
Concentration check for Aluminetch N°2	AITM 3-0034
Concentration check for Nitric Acid	AITM 3-0036
Concentration check for P3-Almecco 51	AITM 3-0034
Concentration check for Bonderite C-IC SmutGo NC Aero	AITM 3-0036
Concentration check for Nitric Acid	AITM 3-0036
Determination of phosphoric and sulphuric acid in anodizing electrolytes	AITM 3-0037
Concentration check for Sulphuric Acid	AIPI 02-01-002
Concentration check for phosphoric Acid	I+D-P-111
Concentration check for Bonderite M-CR 1200 Aero	T-PRO-0026. In house method based on Manufacturer's procedure
Concentration check for Ardrex 6490	T-PRO-0026. In house method based on Manufacturer's procedure
Concentration check for Deoxalume 2310	T-PRO-0026. In house method based on Manufacturer's procedure
Concentration check for Turco 4215 NC-LT	T-PRO-0026. In house method based on Manufacturer's procedure

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- **METALLIC. MECHANICAL TESTING**

Test / Analysis	Method/ Test Procedure
Flattening	SAE-AMS4071 / SAE-AMS4081 / SAE-AMS4083
Shear testing	ASTM B565 / NASM 1312-13 / NASM 1312-20 / UNE 7246
Torque determination by manual wrench	ASTM D5649 / NASM 1312-31 / T&L- PE-0008. In house method
Slow deformation	UNE-EN ISO 1520
Notched bar impact testing of metallic materials	ASTM A370 / ASTM E23 / ISO 148-1
Notched bar impact testing of metallic materials (non ambient temperature)	ASTM A370 / ASTM E23 / ISO 148-1
Staking retention test on bearings	AIPS 03-03-012
Bend testing of metallic material	AIPS 02-03-008 / ASME BPVC.IX ASTM E190 / ASTM E290 / EN 2002-6 / I+D-P-317 / ISO 5173
Bend testing of a paint system (non ambient temperature)	AITM 1-0020
Tensile test of metals	ASTM A370 / ASTM B557 / ASTM B557M / ASTM E8/E8M / ASTM F606/F606M / EN 2002-001 / ISO 6892-1 / ISO 4136
Hardness	ASTM E10 (type A device) / ASTM E18 / ASTM E92 / ISO 6506-1 (type A device) / ISO 6507-1 / ISO 6508-1 / ISO 9015-1 / ISO 9015-2

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• METALLIC MATERIALS AND COATINGS

Test / Analysis	Method/ Test Procedure
Chemical analysis (Steels, stainless steels, aluminum, copper, nickel titanium alloys, and aluminum castings)	T&L-PE-0004 / T-PE-0097. In house methods
Appearance of the individual components	FED-STD-141
Surface appearance	ISO 4628-1 / ISO 4628-2 / MIL-PRF-85285 / SAE-AMS-C27725
Paint Spraying properties	FED-STD-141 / MIL-PRF-85285
Paint Application and finish	FED-STD-141 / SAE-AMS 3095
Paints. Quality of the individual components	ISO 1513 / SAE-AMS 3095
Condition in container	FED-STD-141 / ISO 1513 / MIL-PRF-23377 / MIL-PRF-85285
Appearance and dustability	I+D-P-202 / API 02-05-001 / MIL-DTL-5541 / I+D-P-048
Dry adhesion test	ISO 2409 / ASTM D3359 / AITM 2-0040
Wet adhesion test	ISO 2409 / ISO 2812 / ASTM D3359 / FED-STD-141 / MIL-PRF-23377 / MIL-PRF-85285 / SAE-AMS 3095
Adherence tape tests on organic coatings	I+D-E-103
Adhesion of coatings by scrape adhesion	ASTM D2197
Adhesion of Solid Film Lubricants	ASTM D2510
Evaluation after immersion	ASTM D714 / ISO 2812-1 / ISO 4628-2 / ISO 4628-2 / SAE-AMS 3095
Corrosion prevention capability of non-hardening jointing compounds under salt spray exposure	AITM 5-0012
Electrical conductivity	AITM 6-6004 / ASTM E1004 / MIL-STD-1537 / UNE-EN 2004-1
Volatile organic compound content	ASTM D3960 / ISO 11890-1
Non-volatile content	ASTM D2369 / ISO 3251 / UNE-EN 827
Solids content and corrosion inhibitor	EN 2757 / I+D-E-159
Viscosity	ASTM D1200 / ASTM D4212 / ISO 2431 / ASTM D1084 / ASTM D3794
Intergranular attack and end grain pitting	ASTM F2111 / I+D-E-194
Total immersion corrosion test for aircraft chemicals	ASTM F483
Sandwich corrosion	ASTM F1110
Density of liquid samples	ASTM D1475 / ISO 2811-1
Alpha case determination in titanium alloys	EN 2003-009
Strippability	SAE-AMS 3095
Restoration	SAE-AMS 3095
Orange peel	AITM 1-0054

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- METALLIC MATERIALS AND COATINGS (Cont.)**

Test / Analysis	Method/ Test Procedure
Determination of delta ferrite content	SAE-AMS2315
Coating weight	ASTM B137 / ISO 2106
Colorimetry	AITM 2-0027 / ASTM D2244 / UNE-EN ISO 11664-4
Diffusion of core in clad	AIMS 03-04-000 / I+D-P-220 / UNE-EN 2004-5 / T&L-PE-0003. In house method
Cladding thickness	UNE-EN 2004-5 / T&L-PE-0003. In house method
Pencil hardness	ASTM D3363
Sealing saturation test	ISO 2143
Pull-off test for adhesion	ISO 4624
Flexibility (conical mandrel)	ASTM D522/D522M / ISO 6860
Flexibility (cylindrical mandrel)	AITM 1-0020 / ASTM D522/D522M / ASTM E290 / ISO 1519
Evaluation of bondline corrosion (BLC)	AITM 5-0009
Corrosion resistance	ASTM B117 / ASTM D1654 / ISO 9227 / NASM 1312-1
Filiform corrosion resistance	UNE-EN 3665
Temperature resistance	ASTM D3359
Passivation evaluation by water immersion	ASTM A967/A967M / ISO 8075 / SAE-AMS 2700
Passivation evaluation by copper sulfate	ASTM A380/A380M / ASTM A967/A967M / SAE-AMS 2700
Macrographic evaluation of resistance welding	AWS D17.2/D17.2M / I+D-P-182 / ISO 17639
Preparation of metallographic Specimens	ASTM E3
Metallographic examination	ASTM E340 / ASTM E381 / ASTM E407 / EN 3114-001 / I+D-P-225
Macroscopic-Microscopic examination of welding joints	ASME BPVC.IX / ISO 17639 / UNE 7364
Exposure to light sources - fluorescent UV lamps	ASTM G154 / ISO 16474-1 / ISO 16474-3 / ISO 4892-1 / ISO 4892-3
Fineness of grind	ASTM D1210 / ISO 1524
Impact flexibility	ASTM D6905 / MIL-PRF-23377 / MIL-PRF-85285
Eutectic melting	I+D-P-220 / SAE-AMS2772 / T-PE-0002. In house method
Degree of curing	ASTM D5402 / MIL-PRF-85285
Identification of surface protection	T-PE-0005 / T-PE-0119. In house test methods
Material identification	T-PE-0005 / T-PE-0119. In house test methods
Water immersion of the test panels	FED-STD-141 / ISO 2812-2 / MIL-PRF-23377 / MIL-PRF-85285
Fluid immersion of the test panels	ISO 2812-1 / SAE-AMS 3095

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- METALLIC MATERIALS AND COATINGS (Cont.)**

Test / Analysis	Method/ Test Procedure
Visual inspection	I+D-P-111 / T-PE-0110. In house method
Visual inspection of lubrication	T-PE-0005. In house method
Visual inspection of flared samples	T-PE-0110. In house method
Visual inspection of bended samples	T-PE-0110. In house method
Visual inspection of laminated shim stocks after water immersion	T-PE-0110. In house method
Visual inspection of surface treatments	AIPS-AIPI 02-01-002 / AIPS-AIPI 02-01-003 / AIPS-AIPI 02-01-006 / I+D-P-040 / I+D-P-111/ I+D-P-416
Nonvolatile matter in volatile solvents	ASTM D1353
Surface roughness measurement	AITM 1-0070
Electrical resistivity	AITM 2-0031
Gloss	ASTM D2457 / ASTM D523 / ISO 2813
Thickness of Organic Coatings Using Micrometers	ASTM D1005 / ISO 2808, method 4A
Measurement of coating thickness by eddy current method	AITM 6-6006 / ASTM B244 / ASTM D7091 / ISO 2360 / ISO 2808, Método 7D
Thickness measurement by microscopical examination of a transverse cross section	ISO 1463 / ISO 2808, Method 6A
Microhardness (HV1)	ASTM E384 / ISO 6507-1 / ISO 9015-2
Hydrogen porosity	I+D-P-220 / SAE-AMS2772 / T&L-PE-0001. In house method
Thickness loss	T-PE-0027. In house method
Dry coating weight	AIPS-05-02-015
Inspection for confirmation of the anodising process	AITM 6-9004 / I+D-P-111
Transition Area Chemical milling of aluminum and aluminum alloys	AIPS 09-03-001 / I+D-P-152
Surface defects of chemical milling of aluminum and aluminum alloys	AIPS 09-03-001 / I+D-P-152
Edge of milling cut Chemical milling of aluminum and aluminum alloys	AIPS 09-03-001 / I+D-P-152
Scratch resistance	ISO 1518
Water resistance of coatings using controlled condensation	AITM 2-0068 / ASTM D4585 / D4585M
Impact resistance	ASTM D2794 / ISO 6272-1
Solvent Resistance test	AITM 1-0024 / ASTM D5402 / I+D-E-299 / SAE-AMSC27725
Exfoliation corrosion susceptibility	ASTM G34

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- **METALLIC MATERIALS AND COATINGS (Cont.)**

Test / Analysis	Method/ Test Procedure
Susceptibility to intergranular corrosion	AIMS 03-04-000 / ASTM G110 / DIN-EN-2716 / QVA-Z10-59-03 / SAE-AMS2772 / T&L-PE-0022. In house method
Grain size	ASTM E112
Drying time	ASTM D1640/D1640M / FED-STD-141 / ISO 9117-1 ISO 9117-3 / ISO 9117-6 / SAE-AMSC27725
Pot life	ASTM D1200 / ASTM D4212 / FED-STD-141 / ISO 2431 / UNE-EN ISO 9514 / UNE-EN-ISO 2431

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• COMPOSITES, ADHESIVES AND PLASTICS. MECHANICAL TESTING

Test / Analysis	Method/ Test Procedure
Bearing strength of composite laminates	AITM 1-0009 / ASTM D5961/D5961M / EN 6037 / I+D-E-325
Bearing strength of composite laminates (T>23°C)	AITM 1-0009 / EN 6037 / I+D-E-325
Compressive tube shear	UNE-EN 2667-2
Compressive tube shear (non-ambient temperature)	UNE-EN 2667-2
Compression of composite laminates with hydraulic clamping	AITM 1-0008 / ASTM D6641/D6641M / UNE-EN 6036 / UNE-EN ISO 14126
Compression of composite laminates with hydraulic clamping (T>23°)	AITM 1-0008 / UNE-EN ISO 14126
Compression of rigid plastics	ASTM D695 / DIN 65064 / ISO 3386-1/Amd 1 / ISO 604
Compression of rigid plastics (T>23°C)	ASTM D695 / DIN 65064 / ISO 3386-1/Amd 1 / ISO 604
Double lap shear composites	AITM 1-0019
In-Plane Shear ±45°	AITM 1-0002 / ASTM D3518/D3518M / UNE-EN 6031 / UNE-EN ISO 14129
In-Plane Shear ±45° (T>23°C)	AITM 1-0002 / ASTM D3518/D3518M / UNE-EN 6031
Interlaminar shear strength	AITM 1-0047 / ASTM D2344/D2344M / I+D-E-031 / I+D-E-255 / I+D-E-286 / UNE-EN 2377 / UNE-EN 2563 / UNE-EN ISO 14130
Interlaminar shear strength (non-ambient temperature)	AITM 1-0047 / ASTM D2344/D2344M / I+D-E-031 / I+D-E-255 / I+D-E-286 / UNE-EN 2377 / UNE-EN 2563 / UNE-EN ISO 14130
Shear by the V-notched beam method	ASTM D5379/D5379M
Single lap shear composites	AITM 1-0019 / ASTM D3165 / ISO 4587 UNE-EN 2243-1
Single lap shear composites (non-ambient temperature)	AITM 1-0019 / ASTM D3165 / ISO 4587
Single lap shear metal-metal	AITM 1-0030 / ASTM D1002 / ASTM D3165 / I+D-E-127 / ISO 14273 / ISO 4587 / UNE-EN 1465 / UNE-EN 2243-1
Single lap shear metal-metal (non ambient temperature)	AITM 1-0030 / ASTM D1002 / ASTM D3165 / I+D-E-127 / ISO 4587 / UNE-EN 1465 / UNE-EN 2243-1
Impact (CAI-TAI)	AITM 1-0010 / AITM 1-0077

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- **COMPOSITES, ADHESIVES AND PLASTICS. MECHANICAL TESTING (Cont.)**

Test / Analysis	Method/ Test Procedure
Compression strength after impact	AITM 1-0010 / AITM 1-0077
Compression strength after impact (T>23°C)	AITM 1-0010 / AITM 1-0077
Compression Modulus test of composite laminates	I+D-E-051 / SRM 1R-94 / UNE-EN 2850
Compression Modulus test of composite laminates(T>23°C)	I+D-E-051 / UNE-EN 2850
Compression stress test of composite laminates	I+D-E-051 / SRM 1R-94 / UNE-EN 2850
Compression stress test of composite laminates (T>23°C)	I+D-E-051 / UNE-EN 2850
Bell peel	AITM 5-0009 / ASTM D3167 / EN 1967 / I+D-E-128 / ISO 4578 / UNE-EN 1464 / UNE-EN 2243-2
Floating Roller Peel (non ambient temperature)	AITM 5-0009 / I+D-E-128 / UNE-EN 2243-2
T- Peel test	ASTM D1876
Interlaminar fracture toughness GIc	AITM 1-0005 / AITM 1-0053 / AITM 6-3008 / I+D-E-290 / UNE-EN 6033
Interlaminar fracture toughness GIc (non ambient temperature)	AITM 1-0005 / AITM 1-0053 / UNE-EN 6033
Tension through the hole	AITM 1-0067 / I+D-E-304
Tension through the hole (T>23°C)	AITM 1-0067 / I+D-E-304
Tensile test of composite laminates	AITM 1-0007 / ASTM D3039/D3039M / ASTM D638 / EN 2747 / I+D-E-026 / I+D-E-253 / I+D-E-284 / ISO 527-4 / ISO 527-5 / SRM 4R-94 / UNE-EN 2561 / UNE-EN 2597 / UNE-EN ISO 10618
Tensile test of composite laminates (T>23°C)	AITM 1-0007 / ASTM D3039/D3039M / I+D-E-026 / I+D-E-253 / SRM 4R-94 / UNE-EN 2561 / UNE-EN 2597
Tension by-pass	AITM 1-0007 / I+D-E-326 / UNE-EN 6035
Tension by-pass (T>23°C)	AITM 1-0007 / I+D-E-326
Pull out strength of mechanical joints	AITM 1-0066 / I+D-E-305
Pull out strength of mechanical joints (T>23°C)	AITM 1-0066 / I+D-E-305
Tensile strength of butt joints	ASTM C633 / UNE-EN 15870
Tensile strength of butt joints (non-ambient temperature)	UNE-EN 15870
Tension testing of plastic rectangular specimen	ASTM D412 / ASTM D638 / ASTM D882 / DIN 53504 / ISO 37 / ISO 527-3 / UNE-EN ISO 527-2
Tension testing of plastic rectangular specimen (non-ambient temperature)	ASTM D638 / ASTM D882 // ISO 37 / ISO 527-3 / UNE-EN ISO 527-2

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- **COMPOSITES, ADHESIVES AND PLASTICS. MECHANICAL TESTING (Cont.)**

Test / Analysis	Method/ Test Procedure
Flexure of composite laminates	ASTM D790
Beam flexure of sandwich construction	ASTM C393/C393M / prEN 6061 / SAE-AMS-STD-401 /
Beam flexure of sandwich construction (non-ambient temperature)	ASTM C393/C393M
Climbing Drum Peel	ASTM D1781 / I+D-E-130 / I+D-E-256 / SAE-AMS-STD-401 / UNE-EN 2243-3
Climbing Drum Peel (non-ambient temperature)	ASTM D1781 / I+D-E-130 / UNE-EN 2243-3
Flatwise compressive stress of sandwich cores	ASTM C365/C365M
Flatwise compressive stress of sandwich cores (T>23°C)	ASTM C365/C365M
Compressive strength of sandwich constructions	ASTM C364/C364M
Compressive strength of sandwich constructions (non-ambient temperature)	ASTM C364/C364M
Flatwise tensile	AITM 1-0025 / ASTM C297/C297M / I+D-E-246 / I+D-E-258 / I+D-E-288 / prEN 6062 / UNE-EN 2243-4
Flatwise tensile (T>23°C)	AITM 1-0025 / ASTM C297/C297M / I+D-E-246 / I+D-E-258 / I+D-E-288 / prEN 6062 / UNE-EN 2243-4

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- **COMPOSITES, ADHESIVES AND PLASTICS. PHYSICAL, CHEMICAL, THERMAL AND OTHERS TESTING**

Test / Analysis	Method/ Test Procedure
Conditioning of fiber reinforced plastics	ASTM D5229/D5229M / ASTM D5418 / EN 3615 / I+D-E-240 / UNE-EN 2823
DSC	AITM 3-0002 / AITM 3-0008 / AITM 3-0027 ASTM D3417 / ASTM D3418 / ASTM E1356 / I+D-E-125 / I+D-E-241 / ISO 11357-2 / ISO 11357-3 / UNE-EN 6041
Determination of the extent of cure by DSC	AITM 3-0008 / ASTM D3417 / ASTM D3418 / ASTM E2160 / ASTM E2602 / UNE-EN 6064
Determination of Tg	ISO 6721
Determination of the glass transition temperature by MDSC	ASTM E2602
Determination of Tg and extent of cure by MDSC	ASTM E2602 / ISO 11357-2
Determination of the glass transition temperatures (DMA)	AITM 1-0003 / ASTM D5418 / ASTM D7028 / ASTM E1640 / UNE-EN 6032
FTIR	AITM 3-0003 / ASTM E1252 / ASTM E168 / I+D-E-125 / I+D-E-241 / prEN 6042
Vertical Slump	prEN 2667-4
Yarn count	AIMS 08-04-000 / FED-TM-STD-191 / UNE-EN 1049-2
Volatile content (foaming structural adhesive films)	UNE-EN 2667-3
Density	ASTM D792 / I+D-E-123 / I+D-E-124 / ISO 2781 / UNE-EN ISO 1183-1
Density (honeycomb core)	ASTM C271/C271M
Determination of apparent density (prism specimens)	UNE-EN ISO 845
Determination of fiber mass and binder	UNE-EN 2559
Tack	I+D-E-123 / I+D-E-124 / I+D-E-242
Determination of the resin content and fiber areal weight	I+D-E-123 / I+D-E-124 / I+D-E-242 / ISO 1172 / UNE-EN 2331 / UNE-EN 2559
Determination of the resin and metal mesh mass	UNE-EN 2331
Determination to areal weigh	I+D-E-123 / I+D-E-124 / I+D-E-242 / prEN 3003 / UNE-EN 2329 / UNE-EN 2557 / UNE-EN 2667-3
Determination of the fiber, resin and void contents.	ABT 1-0018 / ASTM D2584 / ASTM D2734 / ASTM D3171 / I+D-E-124 / ISO 1172 / UNE-EN 2564 / UNE-EN ISO 1183-1
Occlusions	ISO 1172 / ISO 7822

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- COMPOSITES, ADHESIVES AND PLASTICS. PHYSICAL, CHEMICAL, THERMAL AND OTHERS TESTING (Cont.)**

Test / Analysis	Method/ Test Procedure
Determination of pore content in FRP by microscopical examination	AITM 4-0003
Determination of the volatile content	ASTM D3530 / I+D-E-123 / I+D-E-124 / I+D-E-242 / UNE-EN 2330 / UNE-EN 2558
Determination of the flow of adhesive films	prEN 2243-7
Determination the impregnation level of prepreg materials	AITM 2-0061
Gel time (Fisher Johns)	AITM 3-0004 / ASTM D3532/D3532M / I+D-E-123 / I+D-E-124 / prEN 6043
Shore D hardness	ASTM D2240 / UNE-EN ISO 868
Leak Test for Sandwich Structures (test specimens)	AITM 2-0037 / AITM 6-9003 / I+D-E-336
Honeycomb sheet thickness	AIMS 11-01-000 Part 1
Film thickness (foaming structural adhesive films)	UNE-EN 2667-3
Handleability check	AIMS 05-02-000 Part 1
Exothermicity	prEN 2667-5
Exposure to humid atmosphere of fiber reinforced plastics	ASTM D5229/D5229M / EN 3615 / I+D-E-240 / UNE-EN 2823
Resin flow	ASTM D3531/D3531M / I+D-E-123 / I+D-E-124 / I+D-E-242 / UNE-EN 2332 / UNE-EN 2560
Specific Gravity	MIL-PRF-81733
Expansion ratio (foaming structural adhesive films)	UNE-EN 2667-3
Macro-microscopic examination of FRP	AITM 4-0005 / T-PE-0085. In house method
Morphology of FRP laminates after DCM immersion	AITM 4-0005 / T-PE-0085. In house method
Carrier areal weight	AITM 3-0002 / UNE-EN 2331 / UNE-EN 2559 / UNE-EN 6041
Laminate cured ply thickness	ASTM D6988 / I+D-E-243 / SAE-AMS 6891 / UNE-EN 2565 / UNE-EN ISO 5084 / UNE-ISO 4593
Drape	I+D-P-176
Application time (Viscosity)	AS5127/1 / ASTM D2556 / DIN 65262-1
Pot life of mixed components	ASTM D2471
Viscosity. Determination using a falling-ball viscometer	ISO 12058-1
Determination using a single cylinder type rotational viscometer method	AS5127/1 / ASTM D1084 / ASTM D2196 / ASTM D2393 / ASTM D2556 / DIN 65262-1 / MIL-A-52194 A
Fiber Volume (Laminate)	I+D-E-123 / SRM10_R94

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• SEALANTS

Test / Analysis	Method/ Test Procedure
Non-volatile content	AITM 3-0025 / AS5127/1 / ASTM D1644 / ASTM D2369 / DIN 65064 / DIN 65262-1 / ISO 3251 / MIL-A-46146 / UNE-EN 827
Volatile content	AIMS 10-03-000 / ASTM D2369 / DIN 65064 / ISO 3251
Apparent density of solid samples	ASTM D1622 / UNE-EN ISO 845
Density of liquid samples	ISO 2811-1 / UNE-EN 542
Density of solid or viscous samples	ISO 2811-1 / UNE-EN 542
Determination of consistency	AITM 7-0005
Extrudability	AITM 7-0003 / MIL-A-46146 / T-PE-0087. In house method
Flow (Class C)	AS5127/1 / DIN 65262-1
Slump / Flow	AITM 2-0033 / AS5127/1 / MIL-A-46106 / MIL-PRF-81733
Tack free time	AITM 2-0034 / AS5127/1 / ASTM D2377 / DIN 65262-1 / MIL-A-46106 / SAE-AMS-S-4383
Cure time	AITM 1-0033 / AS5127/1 / ASTM D2240 / DIN 65262-1 / ISO 7619-1 / ISO 868
Shore A hardness	ASTM D2240 / DIN 65262-1 / ISO 48-4 / ISO 7619-1 / ISO 868
Shrinkage	AITM 2-0035
Ageing of the test panels	AIMS 04-05-003 / AIMS 04-05-006 / AIMS 04-05-008 / AIMS 04-05-009 / AIMS 04-05-010 / AIMS 04-05-014 / AIMS 04-05-015
Specific gravity, apparent, of liquid samples	ASTM D891 / UNE-EN 542
Bead peel test	DIN 54457
Peel adhesion test of tape	ASTM D1000 / ASTM D3330/D3330M
Weight loss of plasticizers on heating	ASTM D2288
Peel strength	AITM 2-0013 / AITM 7-0006 / AS5127/1 / DIN 65262-1 / SAE-AMS3265
Application time	AITM 7-0003 / AS5127/1 / DIN 65262-1 / MIL-A-46146 / MIL-PRF-81733
Assembly time	AITM 1-0036 / AS5127/1 / DIN 65262-1
Viscosity. Determination using a falling-ball viscomete	UNE-EN ISO 12058-1/AC
Viscosity. Determination using a single cylinder type rotational viscometer method	ISO 2555 / MIL-PRF-81733

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Test / Analysis	Method/ Test Procedure
Crack propagation test	I+D-E-301
Flammability Testing	AITM 2-0002

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ANNEX 2. Summary of Accreditations

- **AC7101/1** - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories
- **AC7101/2** - Nadcap Audit Criteria for Materials Testing Laboratories – Chemical Analysis
- **AC7101/3** - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing
- **AC7101/4** - Nadcap Audit Criteria for Materials Testing Laboratories – Metallography and Microindentation Hardness
- **AC7101/5** - Nadcap Audit Criteria for Materials Testing Laboratories – Hardness Testing (Macro)
- **AC7101/6** - Nadcap Audit Criteria for Materials Testing Laboratories – Corrosion
- **AC7101/7** - Nadcap Audit Criteria for Materials Testing Laboratories – Mechanical Testing Specimen Preparation
- **AC7101/11** - Nadcap Audit Criteria for Materials Testing Laboratories – Fastener Testing
- **AC7122/1** - Nadcap Audit Criteria for Non Metallic Materials Testing – Mechanical Testing
- **AC7122/2** - Nadcap Audit Criteria for Non Metallic Materials Testing – Physical Testing
- **AC7122/3** - Nadcap Audit Criteria for Non Metallic Materials Testing – Chemical Testing Nadcap Audit Criteria for Non Metallic Materials Testing – Chemical Testing
- **AC7122/4** - Nadcap Audit Criteria for Non Metallic Materials Testing – Thermal Analysis
- **AC7122/5** - Nadcap Audit Criteria for Non Metallic Materials Testing – Flammability
- **AC7122-I** - Nadcap Audit Criteria for Non Metallic Materials Testing
- **Fabrication** – Codes F.1.1, F.2.1, F.3.1
- **AC7108 for Independent Test Lab/4** - Nadcap Audit Criteria for Solution Analysis and Testing in Support of Chemical Processing to AC7108
- **924/LE1908** - ENAC Accreditation

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INDEX OF REVISIONS.

0.1 REVISIONS LOG

Rev.	Date	Revised Pages.
Signature Approval		

4	29/06/2023	New approval is issued due to a general revision.
<p>Daniel Sanchez Vivat TEPMS Certifier</p>		