Schedule of Accreditation

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United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

JCS Technology Ltd

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Testing performed at the above address only

DETAIL OF ACCREDITATION

JCS Technology Ltd, is accredited for a flexible scope that enables them to establish new and amended test methods, modification of existing methods and include newly revised or technically equivalent methods to conduct the activities detailed below, in accordance with their documented in-house procedure 18.1.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ADHESIVE JOINTS BETWEEN METAL SHEETS AND SANDWICH ASSEMBLIES	<u>Mechanical Tests</u>	
	Climbing drum peel test (ambient atmosphere only)	BS 5350:Part C13
PLASTICS INCLUDING GLASS REINFORCED PLASTICS	Flexural strength (forces from 0.04 to 5 kN) (ambient atmosphere only)	BS EN ISO 178 BS 2782 Part 10 Method 1005 BS EN ISO 14125
	Compressive Properties in In-Plane Direction	BS EN ISO 14126
	Interlaminar Shear Strength	BS EN ISO 14130 CRAG 100 (TR88012) BS EN 2563
PLASTICS INCLUDING GLASS REINFORCED PLASTICS AND POLYTETRAFLUOROETHYLENE	Tensile strength (forces from 0.04 to 5 kN) (ambient atmosphere only)	BS 2782: Part 3: Method 327A BS 2782: Part 10: Method1003 BS EN ISO 527-2
PLASTIC FILM / ADHESIVE	Peel strength (ambient atmosphere only)	ISO 4578

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	<u>Corrosion Tests</u>	
	Fluids Susceptibility (excluding performance testing)	BS ISO 1817:2015 & 2022 RTCA/DO – 160D, F and G Sect 11 DEF STAN 00.35 Pt3 Chapter 4 TEST CN4 DEF STAN 00.035 Pt 3 Iss 5 MIL-STD 810F MIL-STD 810G MIL-STD 840H BS 3G100,Pt.2,Section 3, Subsection 3.12, para 7
	Corrosion Test in Artificial Atmospheres (Copper assisted salt spray and Acid salt)	BS EN ISO 9227:2017 (Withdrawn)
	Modified Salt Spray (fog) testing (Acid salt and Acid salt with SO_2)	ASTM G85-11
	Salt spray	ASTM B117-19 BS EN ISO 9227:2012 RTCA/DD-160 F and G BS EN IEC 60068-2-52:2018 EN 248: Para 5.1 MIL-STD-810 Method 509 DEF-STD 00-35 Pt3 Method CN2 DEF STAN 00-035: Part 3, iss 5, Method CN 2
	Acid Corrosion	DEF-STD 00-35 Pt3, iss 4, Method CN3
	<u>Biological Tests</u>	
AIRCRAFT EQUIPMENT	Mould Growth	TP7002 based on BS 3G 100-2.3.3:1972
	Fungus Resistance (mould growth)	TP7006 based on RTCA/DO – 160D, F and G Sect 13

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ELECTRONIC EQUIPMENT	Biological Tests (cont'd)	
	Fungus Resistance (mould growth)	TP7002 based on BS 2011:Part 2.1J:1989 (IEC68-2-10:1988) withdrawn
ELECTRONIC COMPONENTS	Mould Growth	TP7012 based on BS EN 60068-2-10:2005+A1:2018 Part 2-10 Test J and guidance11 (IEC 60068-2-10:2005+A1:2018, EN 60068-2-10:2005+A1:2018)
PLASTICS	Evaluation of the action of microorganisms (mould growth)	TP7007 based on BS EN ISO 846:1997 Methods A & B
SYNTHETIC POLYMERIC MATERIALS	Fungi (mould growth)	TP7008 based on ASTM G21-15:2021
TEXTILES	Resistance of textiles to Microbiological deterioration (mould growth)	TP7009 based on BS 6085:1992, Sections 3 and 5 (withdrawn)
	Evaluation of the action of Microfungi (mould growth)	TP7010 based on BS EN 14119:2003, Method A1, A2 & B2 (Microfungi)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Biological Tests (cont'd)	
MILITARY EQUIPMENT	Fungus (mould growth)	TP7003 based on MIL-STD 810A:1964, Method 508 MIL-STD 810B:1967, Method 508 MIL-STD 810C:1975, Method 508.1 MIL-STD 810D:1983, Method 508.3 MIL-STD 810E:1989, Method 508.4 MIL-STD 810F:2000, Method 508.5 MIL-STD 810G:2008, Method 508.6 MIL-STD 810H:2019 Method 508.8 TP7016 based on JSS 55555:2000 Rev2 Test No.21 TP7002 based on DEF-STAN 07-55:Part 2: Section 3/2:1982 Test C1 DEF-STAN 00-35: Part 3:Issue 4: 2006 Test CN1 TP7007 & TP7012 based on DEF-STAN 00-035: Part 3:Issue 5: 2017 Test CN1

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BEDDING	<u>Flammability Testing</u>	
	Flammability	BS 7177:2008+A1:2011 excluding clause 4.1.2 and 4.2 BS EN 597-1:1995 (withdrawn) BS EN 597-2:1995 (withdrawn) BS 6807:2006
AIRCRAFT COMPONENTS	Burn	FAR 25.853 App F PT 1 14 CFR 25.853 App F PT 1 CS 25.853 App F PT 1 Horizontal, vertical, 45 deg and 60 deg.
AUTOMOTVE INTERIORS	Horizontal Burn	ISO 3795:1989 BS AU 169a:1992 49 CFR 571.302 FMVSS 302 TL1010
MARINE CONSTRUCTIONS. GENERAL MATERIALS FOR CONSTRUCTION OF RAILWAY. PASSENGER STOCK AND BUILDING CONSTRUCTION. INTEROR MATERIALS FOR MOTOR VEHICLES. GENERAL MATERIALS FOR AIRCRAFT INTERIORS.	Smoke Density	FAR 25.853 App F PT V 14 CFR 25.853 App F PT V CS 25.853 App F PT V using ASTM E662
	Determination of Toxic Gas	ABD 0031 Issue G Paragraph 7.4 using AITM3-005 Issue 2
	<u>Chemical Tests</u>	
POLYMERS and COMPOSITES (including rubbers and plastics) ADHESIVES COATINGS (including paints, varnishes, pigments and dyes) FLUIDS (including oils)	<u>Infra Red Chemical Analysis Test by Vibrational Spectroscopy</u>	BS ISO 4650:2012 Documented in House Method TP3000 Transmission and reflection FTIR spectroscopy with Attenuated total reflectance (ATR)
PLASTICS INCLUDING GLASS REINFORCED PLASTICS	<u>Physical Tests</u>	
	Determination of residue on ignition	BS 2782:Part 10:Method 1002:1977

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PLASTICS INCLUDING GLASS REINFORCED PLASTICS cont'd POLYMERS and COMPOSITES (including rubbers and plastics) AEROSPACE STRUCTURES ENGINEERING COMPONENTS AEROSPACE STRUCTURES and ENGINEERING COMPONENTS POLYMERS and COMPOSITES (including rubbers and plastics) AEROSPACE STRUCTURES ENGINEERING COMPONENTS ELECTRICAL/ELECTRONIC COMPONENTS, CONNECTORS AND PRODUCTS. MOTOR VEHICLE COMPONENTS	<u>Environmental Tests</u> Altitude Temperature Temperature & Humidity Thermal Shock Icing Exposure to laboratory light sources. Xenon-arc lamps - Non-metallic Coatings Solar Radiation (Sunshine) Exposure to laboratory light sources. Xenon-arc lamps Weathering in Dry, Hot Climate Excluding: - Grey scales - Colorimetry - Gloss Weathering in Moist, Hot Climate Excluding:- - Grey scales - Colorimetry - Gloss Gloss	 RTCA DO160 G Section 4 RTCA DO160 Section 5 RTCA DO160 Section 6 BS EN 60068-2-14:2009 RTCA DO160 Section 24 BS EN ISO 4892-2:2013 ISO 11341:2004 (withdrawn) MIL-STD 810G, Test 505.6 SAE J2412: 2015-08 Withdrawn SAE J2527: 2017-09 PV 3929: 2008-03 PV 3930: 2008-03 Documented in House Method TP4018
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