Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

UKAS TESTING **0402** **Accredited to ISO/IEC 17025:2017**	**Impact Laboratories Limited** **Trading as Impact Solutions** **Issue No:** 045 **Issue date:** 07 February 2025	
	Impact Technology Centre **Fraser Road** **Kirkton Campus** **Livingston** **EH54 7BU**	**Contact: Mr G Falconer** **Tel: +44 (0)1324 489182** **Fax: +44 (0)1324 489633** **E-Mail: gregg.falconer@impact-solutions.co.uk** **Website: www.impact-solutions.co.uk**
Testing performed at the above address only		

Flexible Scope

For the areas of the schedule marked with * and listed below only the laboratory is accredited to ISO/IEC17025:2017 for testing activities in accordance with the standards in the schedule. This may also include tests on the same or similar product types against standards, or customer-specified methods, that are not specifically listed in this Schedule, providing that:

(1) The method or standard does not introduce new principles of measurement.
(2) The method or standard does not require measurements to be made outside the parametric boundaries defined in this Schedule.

Information about flexible scopes of accreditation is available in UKAS document GEN 4 /EA2/15 and ILAC G18

Types of tests where the flexible scope applies

Xenon Weathering / Light fastness
QUV Weathering / Light fastness

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Paints, varnishes and finishes **Automotive materials** **Aerospace materials** **Plastics and Rubbers** **Textiles**	**Xenon Weathering / Light fastness *** Irradiance: 0.35 to 0.9 W/m^2 at 340 nm 0.6 to 3.0 W/m^2 at 420 nm 40 to 180 W/m^2 at 300 to 400 nm Filter system: Behind window glass Daylight-Q, Daylight-B/B, Daylight-F Extended UV-Q/B, Extended UV-Quartz, Window-Q, Window-B/SL, Window-IR, Window-SF5 Chamber temperature: +30 to +70 ^{o}C Light +25 to +50 ^{o}C Dark BST/BPT Temperature: +35 to +110 ^{o}C BP +36 to +120 ^{o}C IBP Relative Humidity: 20% to 95% Cycle: Light only, Light +Spray, Dark only, Dark + Spray	BS EN ISO4892-2:2013 ISO 105:2013 Part B02 BS EN ISO 4892-1:2016 SAE J2412:2015 SAE J2527:2017 MIL STD 810G:2008 BS EN ISO 16474-2:2013

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As per page 1	**QUV Weathering / Light fastness *** Lamp Type: UVA-340, UVA-351, UVB-313EL Irradiance: UVA-340 0.2-1.55 W/m2 UVA-340+ 0.7-1.7 W/m2 UVA-351 0.2-1.25 W/m2 UVB-313EL 0.2-1.23 W/m2 UVB-313EL+ 0.2-1.7 W/m2 Light Cycle Temperature: +45 to +80 °C Condensation Cycle Temperature: +40 to 60 °C Cycle: Light only, Light + Spray, Dark Only, Dark + Spray, Dark + Condensation	BS EN ISO4892-2:2013 BS EN ISO 16474-3:2021 SAE J2527:2017 BS EN ISO 4892-1:2016

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PACKAGING FOR THE TRANSPORT OF DANGEROUS GOODS		
UN Chapter 6.1 Packagings	Performance Tests	Operational Instructions for UN Test Stations issued by VCA Dangerous Goods Office under the authority of the DfT
Boxes: Fibreboard	Drop tests (preconditioning at -18°C (plastics))	
	Stack tests (ambient temperature and +40°C)	
Drums: Metals Plastics Fibre	Leakproofness tests Internal pressure (hydraulic) tests	
Jerricans: Metals Plastics	Conditioning to +23°C / 50%rh (fibreboard) as required	
Composite packaging: Plastic receptacle	Impact testing and specification checks - dimensions, thickness, weight, grammage (paper)	
Bags : Plastic bags Multiwall Paper Bags		
THERMOPLASTICS STORAGE TANKS AND BUNDS (of polyethylene for chemicals and domestic heating oils)	Performance Tests Capacity Visual inspection Mass Wall thickness Impact resistance Elongation and deformation Pressure resistance Leak tightness Overflow	EN 13341:2005 + A1:2011 OFS T100:Iss 09: Aug 2015 BS EN 13575:2012

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PLASTICS & POLYMERS (including polyethylene and polyolefins)	<u>Physical & Mechanical Tests</u>	EN 13341:2005 + A1:2011 Annexes A.1 and A.2 BS EN 13575:2012 Annex B
	Melt flow rate	BS EN ISO 1133:2011
	Density	BS EN ISO 1183-1:2019
	Absorption of, or resistance to, liquid chemicals or oils	Documented In-House Method OP50 based on BS EN ISO 13274:2013 and BS EN ISO 23667:2007
	Tensile – modulus, yield stress and strain, strength and elongation at break. Stress intensity factor for electrofusion couplings	BS EN ISO 527-1:2019 BS EN ISO 527-2:2012 BS EN ISO 527-3:2018 ASTM D638-14 BS 2782-11:1998 Methods 1161A & 1161B BS ISO 4433-1:1997 BS ISO 4433-2:1997 ISO 4433-1:1997 ISO 4433-2:1997 ISO 6259-1:2015 ISO 6259-3:2015 BS ISO 13953:2001 ISO 13954:1997 (R08) WIS-4-32-08:April 2002:Issue 3 WIS-4-32-08:June 2016:Issue 4 BS EN 12201:2011

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PLASTICS & POLYMERS (including polyethylene and polyolefins) (cont'd)	Physical & Mechanical Tests (cont'd)	EN 13341:2005 + A1:2011 Annexes A.1 and A.2 BS EN 13575:2012 Annex B
	Oxidation induction time (OIT)	ASTM D3895-14 BS EN ISO 11357-6:2013
	Melting temperature	ASTM D3418-15 ASTM E2253-11 BS EN ISO 11357-3:2013
	Glass transition temperature	ASTM E1356-14 BS EN ISO 11357-2:2020
	Resistance to environmental stress cracking - Full Notch Creep Test (FNCT)	Documented In-House Method OP49 based on BS ISO 16770:2019
	Flexural Testing	ISO 178:2019
	Impact Testing (Charpy)	ISO 179-1:2023
	Impact Testing (Izod)	ISO 180:2023
	Specific Gravity (Relative Density) (Performed in a controlled environment 23°C ± 2°C. The humidity is not controlled)	ISO 1183-1:2019 (Method A) ASTM D792-19 (Method A)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Analytical Tests	
Plastics, Rubbers, Composites, Soils, Oils	Content of Volatiles, organic fillers, inorganic fillers, polymers. Degradation of Plastics and Rubbers, ash content, Carbon black content. Temperature Range from Room Temperature to 1000°C	ISO 11358-1:2014, ISO 6964:2019 METHOD C, ASTM E1131-20
Plastics – Polyolefins	Determination of average molecular weight and molecular weight distribution of polymers using size-exclusion chromatography – High Temperature Method. Temperature 65°C – 250°C Mw Range: 2000 to 10,000,000 Da	ISO 16014-1:2019, ISO 16014-4:2020, ASTM D6474-20
Plastics, Rubbers and Organic Compounds	Identification of Plastics and other organic compounds. Carbonyl Index upo weathering and thermal degradation	ASTM E573-01, ASTM E1252-98, ISO 10640:2011 – Part 5 FTIR method only

Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5

Directive / Regulation	Conformity Assessment Procedure / Module / Article	Category of Products or Individual Products	Essential Requirements: Product Specification / Properties / Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.	Annex V – Testing Laboratory (AVCP) System 3	99/472/EC Pipes, tanks and ancillaries not in contact with water intended for human consumption (1/5) : Tanks used in installations for the transport/distribution/storage of gas/fuel intended for the supply of building heating/cooling systems, from the external storage reservoir or the last pressure reduction unit of the network to the inlet of the boiler/heater/cooler system(s) of the building(s).	BS EN 13341: 2005 + A1 2011

Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI) taking into account EA-2/17

Directive / Regulation	Conformity Assessment Procedure / Module / Article	Category of Products or Individual Products	Essential Requirements: Product Specification / Properties / Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020	Annex V – Testing Laboratory (AVCP) System 3	99/472/EC Pipes, tanks and ancillaries not in contact with water intended for human consumption (1/5) : Tanks used in installations for the transport/distribution/storage of gas/fuel intended for the supply of building heating/cooling systems, from the external storage reservoir or the last pressure reduction unit of the network to the inlet of the boiler/heater/cooler system(s) of the building(s).	BS EN 13341: 2005 + A1 2011

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