

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0402 Accredited to ISO/IEC 17025:2017	Impact Laboratories Limited Trading as Impact Solutions	
	Issue No: 040 Issue date: 25 March 2021	
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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

Light fastness
Weather Fastness



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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	<p>Light fastness *</p> <p>Irradiance: 0.6 to 3.0 W/m² at 420 nm 40 to 180 W/m² at 300 to 400 nm 250 to 765 W/m² at 300 to 800 nm</p> <p>Filter system: Behind window glass</p> <p>Chamber temperature: +30 to +70 °C</p> <p>BST/BPT Temperature: +40 to +130 °C</p> <p>Relative Humidity: 10% to 95%</p> <p>Cycle: Light only, no spray</p> <p>Weather fastness *</p> <p>Irradiance: 0.25 to 1.5 W/m² at 340 nm 40 to 180 W/m² at 300 to 400 nm 250 to 765 W/m² at 300 to 800 nm</p> <p>Filter system: Outdoor</p> <p>Chamber temperature: +30 to +70 °C</p> <p>BST/BPT Temperature: +40 to +130 °C</p> <p>Relative Humidity: 10% to 95%</p> <p>Cycle: Light and dark cycle, spray cycle</p>	<p>BS EN ISO4892-2:2013 ISO 105:2013 Part B02 BS EN ISO 4892-1:2016 SAE J2412:2014 MIL STD 810G:2008</p> <p>BS EN ISO4892-2:2013 BS EN ISO 16474:2014 SAE J2527:2014 BS EN ISO 4892-1:2016</p>



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



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PLASTICS & POLYMERS (including polyethylene and polyolefins)	<p><u>Physical & Mechanical Tests</u></p> <p>Melt flow rate</p> <p>Density</p> <p>Absorption of, or resistance to, liquid chemicals or oils</p> <p>Tensile – modulus, yield stress and strain, strength and elongation at break. Stress intensity factor for electrofusion couplings</p>	<p>EN 13341:2005 + A1:2011 Annexes A.1 and A.2 BS EN 13575:2012 Annex B</p> <p>BS EN ISO 1133:2011</p> <p>BS EN ISO 1183-2:2004</p> <p>Documented In-House Method OP50 based on BS EN ISO 13274:2013 and BS EN ISO 23667:2007</p> <p>BS EN ISO 527-1:2012 BS EN ISO 527-2:2012 BS EN ISO 527-3:1996 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</p>



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PLASTICS & POLYMERS (including polyethylene and polyolefins) (cont'd)	<u>Physical & Mechanical Tests</u> (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 E1356-08 BS EN ISO 11357-2:2014
	Resistance to environmental stress cracking - Full Notch Creep Test (FNCT)	Documented In-House Method OP49 based on BS ISO 16770:2004
	Flexural Testing	ISO 178:2019
	Impact Testing (Charpy)	ISO 179-1:2010
	Impact Testing (Izod)	ISO 180:2019
	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)

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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

END