

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>1852</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Geospec Ltd</p> <p>Issue No: 029 Issue date: 15 October 2021</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>GEOTEXTILES and Geotextile related products</p>	Thickness (t >1 mm) at specified pressures (excluding 200 kPa)	BS EN ISO 9863-1:2016 ASTM D5199-12
	Compressive properties	Documented In-House Method SS Test 008
	Grab breaking load and elongation	ASTM D4632-15a
	Static puncture test (CBR test)	BS EN ISO 12236:2006
	Index puncture resistance	ASTM D4833-07(2013)e1
	Trapezoid tearing strength	ASTM D4533-15
	Wide-width tensile	BS EN ISO 10319:2015
	General tests for evaluation following durability testing	BS EN 12226:2012
	Mass per unit area	BS EN ISO 9864:2005
	Determination of resistance to weathering	BS EN 12224:2000
	Dynamic perforation test (cone drop test)	BS EN ISO 13433:2006 BS EN 918:1996 (withdrawn)
	Resistance to oxidation (Screening test method)	BS EN ISO 13438:2018
	Compressive creep properties under normal loading conditions	BS EN ISO 25619-1:2008 BS 1897:2001
Determination of short-term compression behaviour	BS EN ISO 25619-2:2015	



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GEOTEXTILES and Geotextile related products (cont'd)	<p>Determination of water permeability characteristics normal to the plane of the geotextile, without load</p> <p>Determination of the characteristic opening size</p> <p>Determination of water flow capacity in their plane</p> <p>Determination of long term protection efficiency of geotextiles in contact with geosynthetic barriers</p> <p>Cylinder testing of protectors for geomembranes on landfill sites</p> <p>Strength of internal structural junctions. Geocomposites</p> <p>Determination of the internal shear resistance of geosynthetics</p>	<p>BS EN ISO 11058:2019</p> <p>BS EN ISO 12956:2020</p> <p>BS EN ISO 12958:2010</p> <p>BS EN 13719:2016</p> <p>Environment Agency methodology for cylinder testing of protectors for geomembranes on landfill sites – April 2006</p> <p>BS EN ISO 13426-2:2005</p> <p>Documented In-House Method SS Test 121</p>
GEOMEMBRANES	<p>Determination of thickness at specified pressures (excluding 200 kPa)</p> <p>Determining the integrity of nonreinforced geomembrane seams produced using thermo-fusion methods (Peel and shear testing)</p> <p>Determining the integrity of field seams used in joining flexible polymeric sheet geomembrane (Peel and shear testing)</p> <p>Index puncture resistance</p> <p>Mass per unit area</p>	<p>BS EN ISO 9863-1:2016 ASTM D5199-12</p> <p>ASTM D6392-12</p> <p>ASTM D413-98(07) ASTM D4437-16 ASTM D816-82 (withdrawn)</p> <p>ASTM D4833-07(2013)e1</p> <p>BS EN ISO 9864:2005 BS EN 965:1995 (withdrawn)</p>



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GEOMEMBRANES (cont'd)	<p>Determination of long term protection efficiency of geotextiles in contact with geosynthetic barriers</p> <p>Cylinder testing of protectors for geomembranes on landfill sites</p> <p>Density of plastics by the density gradient technique</p> <p>Tensile properties of plastics</p> <p>Determining tensile properties of non-reinforced flexible polypropylene geomembranes</p> <p>Tear resistance (Graves tear) of plastic film and sheeting</p> <p>Determination of the melt mass-flow rate of thermoplastics</p> <p>Asperity measurement of textured geomembranes using a depth gauge</p>	<p>BS EN 13719:2016</p> <p>Environment Agency methodology for cylinder testing of protectors for geomembranes – April 2006</p> <p>ASTM D1505-18</p> <p>ASTM D638-14</p> <p>ASTM D6693-04(2015)e1</p> <p>ASTM D1004-13</p> <p>ASTM D1238-20 BS EN ISO 1133-1:2011</p> <p>GRI GM 12</p>
GEOGRIDS	<p>Determination of thickness at specified pressures</p> <p>Determination of mass per unit area</p> <p>Wide-width tensile test</p>	<p>BS EN ISO 9863-1:2016 ASTM D5199-12</p> <p>BS EN ISO 9864:2005</p> <p>BS EN ISO 10319:2015</p>
GEOSYNTHETIC CLAY LINERS (GCLs)	<p>Determination of thickness at specified pressures</p> <p>Determination of mass per unit area</p> <p>Static puncture test (CBR test)</p>	<p>BS EN ISO 9863-1:2016 ASTM D5199-12</p> <p>BS EN ISO 9864:2005</p> <p>BS EN ISO 12236:2006</p>



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GEOSYNTHETIC CLAY LINERS (GCLs) (cont'd)	Measurement of index flux through a saturated geosynthetic clay liner specimen using a flexible wall permeameter Determination of the internal and interface shear resistance by the direct shear method	ASTM D5887-2016 ASTM D6243 / D6243M - 20.
GEOSYNTHETIC – SOIL INTERFACE TESTS (The term geosynthetic includes geotextiles, geomembranes, geocomposites, geogrids, geonets and geosynthetic clay liners)	Determination of friction characteristics of geosynthetics Determination of the coefficient of soil and geosynthetic or geosynthetic and geosynthetic friction by the direct shear method	BS EN ISO 12957-1:2018 ASTM D5321-20
SOILS for civil engineering purposes	Moisture content - oven drying method Shear strength - large shearbox	BS 1377-2:1990 BS 1377-7:1990
SOILS for civil engineering purposes (cont'd)	Determination of effective angle of internal friction and effective cohesion of earthworks materials (using 300 mm shearbox) Determination of coefficient of friction and adhesion between fill and reinforcing elements or anchor elements for reinforced soil and anchored earth structures	Specification for Highway Works, February 2016 Clause 636 Specification for Highway Works, February 2016 Clause 639
END		