


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>1066</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>BTTG Ltd</h3> <p><b>Issue No: 030    Issue date: 03 July 2009</b></p>	
	<p><b>Unit 14</b>  <b>Wheel Forge Way</b>  <b>Ashburton Road West</b>  <b>Trafford Park</b>  <b>Manchester</b>  <b>M17 1EH</b></p>	<p><b>Contact: Dr P Hamlyn</b>  <b>Tel: +44 (0)161 873 6543</b>  <b>Fax: +44 (0)161 848 7378</b>  <b>E-Mail: info@bttg.co.uk</b>  <b>Website: www.bttg.co.uk</b></p>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b>                      BTTG Testing &amp; Certification Ltd                      BTTG - High Performance Materials                      Unit 14                      Wheel Forge Way                      Ashburton Park                      Ashburton Road West                      Trafford Park                      Manchester                      M17 1EH</p> <p><b>Local contact</b>                      Mrs C Austin                      Tel: +44 (0)161-873 6543                      Fax: +44 (0)161-848 7378                      Email: caustin@bttg-hpm.co.uk</p>	<p><b>Testing:</b>                      Fibres                      Coated Fabrics                      Textiles, Made-up Textiles                      Protective Clothing                      Gloves                      Geotextiles, Geomembranes                      Geosynthetic Clay Liners                      Roofing Membranes                      Textile Floor Coverings                      Upholstery</p>	A
<p><b>Address</b>                      BTTG Testing &amp; Certification Ltd                      Fire Technology Services                      Unit 4B                      Stag Industrial Estate                      Atlantic Street                      Broadheath                      Altrincham                      Cheshire                      WA14 5DW</p> <p><b>Local contact</b>                      Mr P M Eaton                      Tel: +44 (0)161-929 8056                      Fax: +44 (0)161-929 8070                      Email: pmeaton@bttg-fts.co.uk</p>	<p>Testing                      Textiles                      Protective Clothing                      Gloves</p>	B
<p><b>Address</b>                      Shirley Technologies Ltd                      Unit 12                      Westpoint Enterprise Park                      Clarence Avenue                      Trafford Park                      Manchester                      M17 1QS</p> <p><b>Local contact</b>                      Dr A Sagar                      Tel: +44 (0)161-869 1610                      Fax: +44 (0)161-872 6492                      Email: tony.sagar@shirleytech.co.uk</p>	<p><b>Testing:</b>                      Coated Fabrics                      Textiles, Made-up textiles                      Protective clothing                      Gloves                      Textile Floor Coverings                      Leather                      Paint and varnishes                      Toys                      Upholstery                      Process chemicals</p>	C



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<p><b>Address</b> BTTG Testing &amp; Certification Ltd Wira House West Park Ring Road Leeds West Yorkshire LS16 6QL</p>	<p><b>Local contact</b> Mr M Nunney  Tel: +44 (0)113-259 1999 Fax: +44 (0)113-278 0306 Email: mike.nunney@bttg.co.uk</p>	<p><u>Testing:</u> Textiles Textile floor coverings Toys Furniture and furnishings Bedding and bedding composites Building materials Floor and wall coverings Impact absorbing playground surfaces Gymnasium equipment Tents</p>	<p>D</p>
<p><b>Address</b> Shirley Technologies Ltd Wira House West Park Ring Road Leeds West Yorkshire LS16 6QL</p>	<p><b>Local contact</b> Mrs J Bullers  Tel: +44 (0)113-259 1999 Fax: +44 (0)113-278 0306 Email: julia.bullers@shirleytech.co.uk</p>	<p><u>Testing:</u> Fibres Yarns Textiles, Made up textiles Upholstery and furnishing Fabrics Tents Coated Fabrics Toys</p>	<p>E</p>



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIBRES, YARNS, FABRICS, COATED FABRICS, MADE UP TEXTILES	<u>Biological Tests and related Opinions and Interpretations</u>		
	Inherent antibacterial properties	Documented In-House Method STS 51:2005	C
	Evaluation of antibacterial finishes	AATCC 100:2004	C
	Examination of antibacterial effect of impregnated textiles by agar diffusion test	SNV 195920:1994	C
	Examination of antimycotic effect of impregnated textiles by agar diffusion	SNV 195921:1994	C
	Assessment of textiles for antifungal activity: soil burial, mildew and rot resistance	AATCC 30:1998	C
	Resistance of textiles to microbiological deterioration by soil burial	BS 6085:1992 (superseded, withdrawn)	C
	Resistance of textiles to microbiological deterioration	BS EN 14119:2003 BS 6085:1992 Sections 3 & 5 (superseded)	C
	Antibacterial assessment of diffusible agents	AATCC 147:2004	C
<b>FILLING MATERIALS</b>			
Fillings and stuffings other than feather and/or down	Cleanliness	BS 1425:Part 1:1991	C
Feather and/or down	Cleanliness	BS 1425:Part 2:1991 (superseded)	C



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FIBRES, YARNS, FABRICS, COATED FABRICS, MADE-UP TEXTILES, LEATHER etc	<u>Composition and Chemical Tests and related Opinions and Interpretations</u>		
	Quantitative analysis of fibre mixtures	BS 4407:1988 excluding Method 17  EU directives 73/44/EEC (Annexes I, II, III) and 96/73/EC (Annexes I,II) as amended by 2006/2/EC (Annex) and 2007/4/EC	C & E
	Qualitative analysis of: Binary fibre mixtures Ternary fibre mixtures	ISO 1833:1977 ISO 5088:1976	C & E
	Certain water- or alkali-soluble additives	BS 4032:1978	C
	Conductivity, pH, water-soluble matter, in aqueous extracts	BS 3266:1981 Section 8.3 (withdrawn)  BS 5F 100:1991:Methods 43 to 45 and BS 6F 100:1998, Sections 4.2 to 4.4	C & E  C
	pH of aqueous extracts	BS EN 1413:1998 (withdrawn) BS EN ISO 3071:2006	C & E
	Nitrogen content	Documented In-House Method STS 36	C
	Solvent extractable matter	BS 8459:2005	C & E
	Oil, fats and waxes in cotton	Documented In-House Method based on BS 3477:1962 (withdrawn)	C
	Oil, fats and waxes in wool	BS 3582:1981 (withdrawn)	C & E
	Preparation of samples	BS 4658:1978(1996)	C & E
Degree of cure measurements	Documented In-House Method 37	C	



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FIBRES, YARNS, FABRICS, COATED FABRICS, MADE-UP TEXTILES, LEATHER etc (cont'd)	<u>Composition and Chemical Tests and related Opinions and Interpretations</u> (cont'd)		
	Free and hydrolysed formaldehyde	BS EN ISO 14184:Part 1:1998	C
	Free formaldehyde (Japanese Law)	Japanese Law 112-1973	C
	Released formaldehyde	BS EN ISO 14184:1998, Pt 2 BS 6806:1987, Pt 3 AATCC 112-1993	C
	Preservative content (BS Method)	BS 2087:Pt 2:Section 8:1992	C
	Wet ashing	BS 6648:1986	C
	Determination of soluble hexavalent chromium	BS 6810:1987 EN 420 Annex B	C
	<u>Colour Fastness Tests and related Opinions and Interpretations</u>	<u>BS 1006:1990</u> <u>BS EN 20105:various</u> <u>BS EN ISO 105:various</u>	
	Artificial light - Xenon arc	B02:1999	E & D
	Weathering	B04:1997	E
	Photochromism	B05:1996	C
	Washing and laundering	C01-C05 (superseded) C10:2007	E
	Domestic and commercial laundering	C06:1997, C08:2001	E
	Dry cleaning	D01:1995	E
	Rubbing with organic solvents	D02:1996	C, D & E
	Water	E01:1996	C, D & E
	Sea water	E02:1996	C, D & E
Chlorinated water	E03:1997	C	



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	Perspiration	E04:1996 (withdrawn) E04: 2009	C & E
	Spotting (acid and alkali)	E05:1997 (withdrawn):2006 E06:1997 (withdrawn):2006	C
	Spotting (water)	E07:1997	C & E
	Atmospheric contaminants - oxides of nitrogen	G01:1996	C
	Colour and colour difference	J01-J03:1997, A05:1996	C
	Bleaching agencies	N01-N04:1995	C
	Dry heat	P01:1995	E
	Rubbing	X12:2002	C,D & E
	Shampooing	UK-TB:1990	C & D
	Salt	<u>BS 1006: UK-TI:1990</u>	D
Water	<u>BS 1006: UK-TJ:1990</u>	D	
FIBRES	<u>Physical Tests and related Opinions and Interpretations</u>		
	Strength	BSENISO 5079:1996	E
	Length	ISO 6989:1981	E
	Diameter	BS 2043:1968 ISO 137:1975	D & E



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YARNS	<u>Physical Tests and related Opinions and Interpretations</u>		
	Strength of yarn from packages	BS EN ISO 2062:1995	E
	Linear density of yarn from packages	BS EN ISO 2060:1995	E
	Twist of yarn	BS EN ISO 2061:1996	E
	Twist of yarn (re-twist method)	ASTM D1422:1992	E
	Levelness	IWTO-18-00	E
WOOL	Correct invoice mass	BS 4784:1998 Parts 1, 2, 3 (withdrawn)	E
FABRICS	<u>Physical Tests and related Opinions and Interpretations</u>		
	Width	BS 1930:1990 (withdrawn) BS EN 1773:1997 BS ISO 22198:2006	E
	Mass per unit area	BS 2471:1978 (withdrawn) BS EN 12127:1998 BS 6F 100:1998, Section 3.2	E
	Thickness	BS 2544:1987 (withdrawn) BS EN ISO 5084:1997	E
	Threads per unit length	BS EN 1049/2 :1994, BS 6F 100:1998, Section 3.1	E
	Yarn crimp from fabric	ISO 7211/3	E
	Yarn twist from fabric	ISO 7211/4	E
	Yarn count/Linear density from fabric	ISO 7211/5	E
Constructional Properties of Knitted Fabrics:	BS 5441:Sections 2 and 3:1988 BS EN 14970:2006 BS EN 14971:2006	E	



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FABRICS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Tensile strength and elongation	BS 2576:1986 (withdrawn) ISO 5081:1977 BS EN ISO 13934:Pt 1:1999 BS 6F 100:1998, Section 3.3	E
	Grab strength	ISO 5082:1982 (withdrawn) BS EN ISO 13934:Pt 2:1999	E
	Tear strength (Wing Rip)	BS 4303:1968 (withdrawn) BS EN ISO 13937:Part 3:2000 (electronic)	E
	Tear strength (Tongue Tear)	BS 6F 100:1998, Section 3.5.1 BS EN ISO 13937:Part 4:2000 (electronic)	E
	Tear strength (Trousar Tear)	BS EN ISO 13937:Part 2:2000 (electronic)	E
	Seam tensile properties: Strip method Grab method	BS EN 13935 :Part 1 :1999 BS EN 13935 :Part 2 :1999	E
	Seam slippage	BS 3320:1988 (withdrawn) BS EN ISO 13936-1:2004 BS 2543:Annex A:1995 (withdrawn) BS EN ISO 13936-2:2004	E
	Bursting strength	BS 4768:1972 (withdrawn) BS EN ISO 13938:Part 1:1999	E
	Abrasion resistance	BS 5690:1991 (withdrawn) BS EN ISO 12947:Pts 1, 2, 3 and 4:1999 BS EN 14465:Annex A:2003	E
	Pilling	BS 5811:1986(withdrawn) BS EN ISO 12945:Pt 1:2001	E
	Peel strength	UK/SC/4627B.1987, Annex B	E
	Stiffness	BS 3356:1990	E



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FABRICS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Drape	BS 5058:1973	E
	Air permeability	BS 5636:1990 (withdrawn)	E
	Crease recovery	BS EN 22313:1992	E
	Spray rating	BS EN 24920:1992	E
	Shower test	BS 5066:1974	E
UPHOLSTERY	Specifications for upholstery fabrics	BS 2543:1995 (excludes soiling) (withdrawn) BS2543:2004	E
	Method of preparation	BS EN ISO 3759:1995 (withdrawn) BS EN ISO3759:2008 BS 4931:1986 (withdrawn)	E
	Determination of dimensional change	BS EN 25077:1994 (withdrawn), BS EN ISO5077:2008,	E
	Washing	BS 1955:1981 (withdrawn) BS EN 26330:1994(withdrawn) ISO 6330:1984 BS EN ISO 6330:2001	E
	Cold water immersion	BS 4736:1985 ISO 7771:1985 BS 6F 100:1998, Section 3.6	E
	<u>Physical Tests and related Opinions and Interpretations</u>		
	Free steam	BS 4323:1979 ISO 3005:1978	E
	Hot air	UK/SC/4952, Annex A	E



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PROTECTIVE CLOTHING	Oil repellency rating	AATCC 118:1997 BS EN ISO 14419:1999	C
	Surface and interfacial tension of solutions of surface active agent	ASTM D 1331-89	C
	Resistance to penetration by synthetic blood	ASTM F 1670-07	C
	Resistance to blood borne pathogens using Phi-X174 bacteriophage penetration	ASTM F 1671-07	C
TEXTILE FLOORCOVERINGS	<u>Chemical and Colour Fastness Tests and related Opinions and Interpretations</u>		
	Released formaldehyde	BS 6806:1987 Pt 3 AATCC 112-1993 BS EN ISO14184:1998 Pt 2	C
	Free formaldehyde (Japanese Law)	Japanese Law Method 1121	C
	Preservative content (BS Method)	BS 2087:Pt 2:Section 8:1992	C
	Artificial light: Xenon arc	BS EN ISO105:1999 B02	D & E
	Colour and colour difference	BS EN ISO 105:1997 J01 - J03, A05:1996	C
	Shampoo	BS 1006:1990 UK-TB	C & D
	<u>Chemical and Colour Fastness Tests and related Opinions and Interpretations</u>		
	Dry cleaning	BS EN ISO 105:1995 D01	E
	Bleaching agencies	BS EN 20105:1995 N01-N04	C
Wet and dry rubbing	BS EN ISO 105:2002 X12	C, D & E	



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FLEXIBLE SHEETS FOR WATERPROOFING	UV ageing/irradiation	BS EN 1297:2004 as modified by BS EN 13859-1:2005 and BS EN13859-2:2005	C
TOYS	Physical and Mechanical (Soft filled toys only)	BS EN 71-1:2005 + A6:2008 Clauses 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 4.8 (a+b), 4.9, 4.12, 4.14.2, 4.22, 5.1, 5.2, 5.3, 5.4, 5.7, 5.9, 5.10, 6, 7 Test methods 8.2, 8.3, 8.4, 8.5, 8.7, 8.8, 8.10, 8.11, 8.12, 8.13, 8.20, 8.25, 8.32	E
	<u>Chemical Tests</u> Organic contaminants Colourants Flame retardants Primary Aromatic Amines (soft filled toys only)	BS EN 71-9 : 2005 + A1 : 2007 BS EN 71-10:2005 BS EN 71-11:2005	C
	Specification for migration of certain elements - toxicity	BS EN 71-3:1995	C
	Preparation of dried paint samples by hot plate or microwave digestion for subsequent lead analysis	In-House Method STL/SOP 001:2009 based on ASTM E-1645-01(2007)	C
	Determination of total lead content	In-House Method STL/SOP 002:2009 based on ASTM E-1613-04 to meet the requirements of 16 CFR 1303:2005 using ICP (AES)	C
JEWELLERY	<u>Chemical Tests and related Opinions and Interpretations</u>		
	Nickel release	BS EN 1811:1999	C
	Simulated wear - nickel release	BS EN 12472:1999 (withdrawn)	



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PLASTICS - semi-crystalline polymer and textiles	Determination of melting behaviour - capillary tube method	BS EN ISO 3146:1997/ BS 2782:Pt 1:Method 125A:1991	C
YARNS/FABRICS	<u>Physical Tests and related Opinions and Interpretations</u>  <u>Textile Yarns</u>  Tensile tests on yarn (load and extension)  Knot strength and loop strength  <u>Textile Fabrics:</u>  Abrasion (Martindale)  Bursting strength  Calculation of small colour differences  Dimensional stability (immersion in water)  Dimensional stability (methods of preparation)  Dimensional stability (procedure and repeatability)  Dimensional stability (washing)	  BS EN ISO 2062:1995  BS 1932:Part 2:1989(1997)  BS 5690:1991(1997) (withdrawn) BS EN ISO 12947:Parts 1-4: 1999  BS 4768:1972(1997) (withdrawn) ISO 2960:1974 BS EN ISO 13938:Part 1:1999  BS 6923:1988(1994)  BS 4736:1985(1996) ISO 7771:1995 BS 5F 100:1991:Method 22 and BS 6F 100:1998, Section 3.6  BS 4931:1986 (withdrawn) BS EN ISO 3759:1995  BS 5807:1987 (withdrawn)  BS 4923:1980 (withdrawn) ISO 6330:2001 ISO 5077:1994 BS EN ISO 6330:2001 BS EN 26330:1994 BS EN 25077:1994 BS EN ISO 5077:2008	A A A A A A A A A



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YARNS/FABRICS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	<u>Textile Fabrics:</u> (cont'd)		
	Fabric width	BS 1930:1990 (withdrawn) BS EN 1773:1997	A
	Mass per unit area	BS 2471:1978(1997) BS EN 12127:1998 BS 5F 100:1991:Method 18 BS 6F 100:1998, Section 3.2	A
	Stiffness	BS 3356:1990	A
	Tear strength (BS 5F 100)	BS 5F 100:1991:Method 21 BS 6F 100:1998, Section 3.5	A
	Tear strength (Elmendorf)	ASTM D1424:1983 and ISO 9290 (1990) BS EN ISO 13937-1:2000	A
	Tear strength (Trouser Tear)	BS EN ISO 13937:Part 2:2000 <sup>+</sup>	A
	Tear strength (Tongue Tear)	BS Handbook 11:1974 BS EN ISO 13937:Part 4:2000 <sup>+</sup>	A
	Tear strength (Wing Rip)	BS 4303:1968(1995) BS EN ISO 13937:Part 3:2000 <sup>+</sup>	A
	( <sup>+</sup> indicates electronic only)		
	Tensile strength and elongation	BS 2576:1986(1995) (withdrawn) BS 5F 100:1991:Method 19 BS 6F 100:1998, Section 3.3 ISO 5081:1977 ISO 5082:1982 BS EN ISO 13934:Parts 1 and 2:1999	A
	Thickness of fabric	BS 2544:1987 (withdrawn) BS EN ISO 5084:1997	A



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YARNS/FABRICS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	<u>Textile Fabrics:</u> (cont'd)		
	Washing and drying	BS 4923:1980 BS 5651:1978 BS 5651:1989(1997) BS EN ISO 6330:2001 BS EN 26330:1994 BS EN 25077:1994 BS EN ISO 10528:1995 BS EN ISO 12138:1997	A
	<u>Woven Fabrics</u>		
	Construction	BS 2861:1984(1996)	A
	Threads per unit length	BS 2862:1984(1990) (withdrawn) BS 5F 100:1991:Method 17 BS 6F 100:1998, Section 3.1 BS EN 1049:Part 2:1994	A
	<u>Non-Woven Fabrics</u>		
	Mass/unit area	ISO 9073-1:1989	A
	Thickness	ISO 9073-2:1995	A
	Tensile strength and elongation	ISO 9073-3:1989	A
Tear resistance	ISO 9073-4:1997	A	
PROTECTIVE CLOTHING	<u>Barrier Properties</u>		
	Air permeability	BS 5636:1990 (withdrawn) BS EN ISO 9237:1995	A
	Airborne linting propensity	BS 6909:1988(1994)	A
Resistance of fabrics to an artificial shower	BS 5066:1974(1994)	A	



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PROTECTIVE CLOTHING (cont'd)	<u>Barrier Properties</u> (cont'd)		
	Resistance to water penetration (hydrostatic head) - textile fabrics	ISO 811:1981 BS EN 20811:1992(1996)	A
	Thermal resistance or conductivity	BS 4745:1990(1995) ISO 5085:Part 1:1989 BS 4745:2005:Procedure 10.2 and 10.3	A
	Spray rating	BS EN 24920:1992(1996) ISO 4920:1981	A
	Water repellency (Bundesmann)	BS Handbook 11:1974 BS 5F 100:1991:Method 24 BS 6F 100:1998, Section 3.8	A
	Measurement of water vapour permeability index	BS 7209:1990(1997): Appendix B	A
	UV radiation through clothing fabrics	BS 7914:1998 AATCC 183:1998	A
	Solar UV protective properties	BS EN 13758:Part 1:2002 + A1:2006	A
	Sun protection clothing	AS/NZ 4399:1996	A
	<u>Coated Fabrics</u>	<u>BS 3424</u>	
	Preparation Part 0 1992 Conditioning Part 2 1992	BS EN ISO 2231:1995	A
	Abrasion (Martindale)	Part 24:Method 27A (1996) Modes A and B, 1990/1973	A
	Coating adhesion	ISO 2411:2000 BS EN ISO 2411:2000	A
	Adhesion of coating	Part 7:Method 9:1982(1996)	A
Blocking test	ISO 5978:1990 Part 11:Method 13:1982/ BS EN 25978:1993	A	



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PROTECTIVE CLOTHING (cont'd)	<u>Coated Fabrics</u> (cont'd)	<u>BS 3424</u> (cont'd)	
	Breaking load and extension	Part 4:Method 6:1982(1996) ISO 1421:1977 ISO 1421:1998	A
	Bursting strength	Part 6:Method 8:1982(1996) ISO 3303:1990	A
	Crumple flex	Part 9:Method 11C:1996 Also ISO 7854:1995 BS EN ISO 7854:1997	A
	Flexing resistance (Schild Knecht)	ISO 7854:Method B:1984 (withdrawn) BS EN ISO 7854: Method B: 1997 BS 3424: Part 9: 1996	A
	Surface drag	Part 10:Method 12B:1987(1996)	A
	Tear strength	Part 5:Method 7:1982(1996) ISO 4674:1977 ISO 4674:Part 2:1998 ISO 4674-1:2003	A
	Tear strength (Trousers Tear)	BS EN ISO 13937:Part 2:2000 (electronic only)	A
	Tropical ageing test	Part 12:Method C:1996 ISO 1419:1995	A
	Thickness	ISO 4648:1991 ISO 2286:Part 3:1998 BS EN 22286:1994 (withdrawn) BS 3424:Part 1:1994 Federal Test Method Standard 191 Section 5030-2	A
	Width: mass and length	BS EN 22286:1994 (withdrawn)	A
Width	ISO 2286:Part 1:1998	A	
Total mass/coating mass/substrate mass	ISO 2286:Part 2:1998	A	



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PROTECTIVE CLOTHING (cont'd)	<u>Coated Fabrics</u> (cont'd)	<u>BS 3424</u> (cont'd)	
	Air permeability	BS 5636:1990 (withdrawn) BS EN ISO 9237:1995	A
	Resistance of fabrics to an artificial shower	BS 5066:1974(1993)	A
	Resistance to water penetration (hydrostatic head) - coated fabrics	BS 3424:Part 26:Methods 29A and 29C:1986	A
	Thermal resistance or conductivity	BS 4745:1990(1995) ISO 5085:Part 1:1989 BS 4745:2005:Procedure 10.2 and 10.3	A
	Spray rating	BS EN 24920:1992(1996) ISO 4920:1981	A
	Water repellency (Bundesmann)	BS Handbook 11:1974 BS 5F 100:1991:Method 24 BS 6F 100:1998, Section 3.8	A
	Measurement of water vapour permeability index	BS 7209:1990(1997): Appendix B BS 3424:Part 34:Method 37:1992 BS 3546:Part 4:1991: Appendix C	A
	<u>Physical Tests and related Opinions and Interpretations</u>		
	Abrasion (Martindale)	BS 5690:1991(1997) BS EN ISO 12947:Parts 1-4:1999	A
Bursting strength	BS 4768:1972(1997) (withdrawn) BS EN ISO 13938:Part 1:1999	A	
Calculation of small colour differences	BS 6923:1988(1994)	A	
Dimensional stability (dry heat)	BS 1771:Part 2:1984 (withdrawn)	A	



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PROTECTIVE CLOTHING (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Dimensional stability (immersion in water)	BS 4736:1985(1996) BS 5F 100:1991:Method 22 and BS 6F 100:1998, Section 3.6	A
	Dimensional stability (methods of preparation)	BS 4931:1986 (withdrawn)/ BS EN ISO 3759:1995	A
	Dimensional stability (procedure and repeatability)	BS 5807:1987 (withdrawn)	A
	Dimensional stability (washing)	BS 4923:1980 (withdrawn) ISO 6330:1984 ISO 5077:1994 BS EN ISO 6330:2001 BS EN 26330:1994 BS EN 25077:1994 BS E ISO 5077:2008	
	Mass per unit area	BS 2471:1978(1997) BS 5F 100:1991:Method 18 BS 6F 100:1998, Section 3.2	A
	Stiffness	BS 3356:1990	A
	Tear strength	BS 5F 100:1991:Method 21 BS 6F 100:1998, Section 3.5	A
	Tear strength (Elmendorf)	ASTM D1424:1996 ISO 9290 (1990) BS EN ISO 13937-1:2000	A
	Tear strength (Trouser Tear)	BS EN ISO 13937:Part 2:2000 <sup>+</sup>	A
	Tear strength (Tongue Tear)	BS Handbook 11:1974 BS EN ISO 13937:Part 4:2000 <sup>+</sup>	A
	Tear strength (Wing Rip)	BS 4303:1968(1995) BS EN ISO 13937:Part 3:2000 <sup>+</sup>	A
	( <sup>+</sup> indicates electronic only)		



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PROTECTIVE CLOTHING (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Tensile strength and elongation	BS 2576:1986(1995) (withdrawn) BS 5F 100:1991:Method 19 BS 6F 100:1998, Section 3.3 ISO 5081:1977 ISO 5082:1982 BS EN ISO 13935:Parts 1 and 2:1999	A
	Thickness of fabric	BS 2544:1987 (withdrawn) BS EN ISO 5084:1997  (* indicates electronic only)	
	<u>Woven Fabrics</u>		
	Construction	BS 2861:1984(1996)	A
	Threads per unit length in woven fabric	BS 2862:1984(1990) (withdrawn) BS 5F 100:1991:Method 17 BS 6F 100:1998, Section 3.1 BS EN 1049:Part 2:1994	A
	Air permeability	BS 5636:1990 (withdrawn)	A
	Resistance of fabrics to an artificial shower	BS 5066:1974(1993)	A
	Resistance to water penetration (hydrostatic head) - textile fabrics	BS EN 20811:1992(1996) ISO 811:1981	A
	Spray rating	BS EN 24920:1992(1996) ISO 4920:1981	A
Water repellency (Bundesmann)	BS Handbook 11:1974 BS 5F 100:1991:Method 24 BS 6F 100:1998, Section 3.8	A	



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PROTECTIVE CLOTHING (cont'd)	<u>Woven Fabrics</u> (cont'd)		
	Measurement of water vapour permeability index	BS 7209:1990(1997): Appendix B BS 3424:Part 34:Method 37 BS 3546:Part 4:1991: Appendix C	A
	Sun protection clothing	AS/NZS 4399:1996	A
	Children's Clothing - Requirements for protection against UV radiation	BS 7949:1999	A
	Thermal and water vapour resistance	BS EN 31092:1994	A
	Abrasion resistance	BS EN 530:1995	A
	Requirements for protective clothing against foul weather	prEN 343 1993 (Tests only)	A
	<u>High Visibility Warning Clothing</u>		
	Design/background area	Shirley Method 134:1998	A
	Chromaticity background material	EN 471:1994(2003) BS EN 1150:1999 Railway Group Standard, GO/RT 3279:2000 GO/RT 3279:2008	A
Puncture resistance	BS EN 863:1996	A	
Thickness	ISO 4648:1991 ISO 2286:1986/ BS EN 22286:1994/ BS 3424:Part 1:1994 Federal Test Method Standard 191 Section 5030-2	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GLOVES	General Requirements for Gloves	EN 420:1994 EN 420:2003	A
	<u>Mechanical Risk</u>  Puncture resistance	BS EN 388:1994 EN 388:1994 DIN 4841:Part 1:1981	A
	Thickness	ISO 4648:1991 ISO 2286:1986/ BS 3424:Part 1:1994 Standard 191 Section 5030-2	A
GEOTEXTILES AND GEOTEXTILE RELATED PRODUCTS	<u>Physical Tests and related Opinions and Interpretations</u>  <u>Geotextiles and Related Products</u>		
	Breaking load and extension (grab method)	ASTM D4632:1991(2003)	A
	Water-flow, normal to the plane	BS EN ISO 11058:1999	A
	In-plane water flow capacity	BS 6906:Part 7:1990(1995) (withdrawn) BS EN ISO 12958:1999	A
	Mass per unit area	ISO 9864:1990 BS EN 965:1995 (superseded) ASTM D5261:1992(2003) BS EN ISO 9864:2005	A
Puncture resistance (CBR puncture test)	BS 6906:Part 4:1989 (withdrawn) DIN 54307:1982 BS EN ISO 12236:1996 BS EN ISO 12236: 2006 ASTM D6241-04	A	



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GEOTEXTILES AND GEOTEXTILE RELATED PRODUCTS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	<u>Geotextiles and related products</u> (cont'd)		
	Resistance to perforation (cone drop test)	BS 6906:Part 6:1990 (withdrawn) BS EN 918:1996 (superseded withdrawn) BS EN ISO 13433: 2006	A
	Index puncture resistance	ASTM D4833-00 <sup>E1</sup> superseded) ASTM D4833-07	A
	Short term compression	ASTM D1621:1994 ASTM D1621-04a	A
	Sampling and preparation of test specimens	ISO 9862:1990/ BS EN 963:1995 BS EN ISO 9862:2005	A
	Tensile properties using a wide width strip	ASTM D4595-05 BS 6906:Part 1:1987(1995)	A
	Wide-width tensile test	ISO 10319:1993/ BS EN ISO 10319:1996 (withdrawn) BS EN ISO 10319:2008	A
	Tensile test for joints/seams by wide-width method	ISO 10321:1992/ BS EN ISO 10321:1996	A
	Peel strength (geocomposites)	ASTM D4632:1991(2003)(mod)	A
	Strength of internal structural junctions	BS EN ISO 13426-2:2005	A
	Thickness at specified pressures	ISO 9863:Part 2:1996 ISO 9863:1990 (withdrawn) BS EN 964-1:1995 (superseded) ASTM D5199:2001(2006) BS EN ISO 9863-1:2005	A
Trapezoid tear strength	ASTM D4533-04	A	



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GEOTEXTILES AND GEOTEXTILE RELATED PRODUCTS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	<u>Geotextiles and related products</u> (cont'd)		
	Abrasion damage simulation	BS EN ISO 13427:1998	A
	Water flow normal to the plane of a geotextile under a constant head	BS 6906:Part 3:1989(1995) (withdrawn)	A
	Pore/Opening size by dry sieving	BS 6906:Part 2:1989(1995) (withdrawn)	A
	by wet sieving	BS EN ISO 12956:1999	A
	Methodology for cylinder testing of protectors for geomembranes	Environment Agency - March 1998 Environment Agency - April 2006	A
	Determination of long term protection efficiency of geotextiles in contact with geosynthetic barriers	EN ISO 13719:2002	A
	General tests for evaluation following durability testing	EN 12226:2000	A
	Resistance to acid and alkaline liquids (Screening method)	EN 14030:2001	A
	Resistance to oxidation (Screening methods)	EN ISO 13438:2004 Methods A1, A2, B1 & B2	A
	Microbiological resistance by soil burial	EN 12225:2000	A
Determination of the resistance to weathering	BS EN 12224:2000	A	
Screening for determining the resistance by hydrolysis in water	BS EN 12447:2001	A	



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GEOMEMBRANES	<u>Physical Tests and related Opinions and Interpretations</u>		
	Melt flow rate of thermoplastics by extrusion plastomer	ASTM D1238-04	A
	Tensile properties of plastics	ANSI/NSF Modification Standard 54:1993 - Annex A, Part 8, using Type 4 Die based on ASTM D638:1996 ASTM D6693: 2003	A
	Tensile properties	ASTM D6693-04 EN ISO 527-1:1996 EN ISO 527-3:1995(1998)	A
	Determination of 2% secant modulus for polyethylene geomembranes	ASTM D5323-06	A
	Initial tear resistance of plastic film and sheeting	ASTM D1004-08 ASTM D1004:1994a	A
	Density of plastics	ASTM D1505-03e1 ASTM D1505:1998e1	A
	Thickness of Geomembranes	ANSI/NSF Modification Standard 54:1993, Annex A, Part 1, based on ASTM D751:1995 ASTM D5199:2001(2006) ASTM D1593:1999 ASTM D5994-98(2003)	A
	Thickness	BS EN 964-1:1995 (superseded)	A
	Asperity Measurement	GRI GM12 ASTM D7466-08	A
	Carbon black content	ASTM D1603-06	A
	Carbon black dispersion	ASTM D5596-03	A
Puncture resistance	Federal Test Method Standard 101C, Method 2065:1980	A	



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GEOMEMBRANES (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Puncture resistance (CBR puncture test)	BS 6906:Part 4:1989 (withdrawn) BS EN ISO 12236:1996 BS EN ISO 12236:2006 DIN 54307:1982 ASTM D6241-04	A
	Index puncture resistance	ASTM D4833-07	A
	Peel and shear strength of bonded seams	ANSI/NSF Modification Standard 54: 1993, Appendix A, Part 3 and Part 5, based on ASTM D413:1982(1993) and ASTM D4437:1984(1988) ASTM D6392-08	A
	Stress cracking using notched constant tensile load	ASTM D5397-07 BS EN 14576:2005	A
	Dimensional stability	ASTM D1204:2002	A
	Water absorption	ASTM D570:1995	A
	Methodology for cylinder testing of protectors for geomembranes	Environment Agency - March 1998 Environment Agency - April 2006	A
BENTONITE CLAY	<u>Physical Tests and related Opinions and Interpretations</u>		
	Confined swell	GRI Test Method GCL-1	A
	Free swell	STS Method 130:1995 ASTM D5890: 1995	A
	Swell Index of Clay	ASTM D5890-06	A
	Montmorillonite content (Methylene blue capacity)	STS Method 131:1995	A
Water absorption of bentonite	ASTM E946:1992	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GEOSYNTHETIC CLAY LINERS	<u>Physical Tests and related Opinions and Interpretations</u>		
	Mass per unit area (GCL)	ISO 9864:1990 ASTM D5993-99(2004) BS EN 965:1995 (superseded) ASTM D5261:1992(2003) BS EN 14196:2003	A
	Puncture resistance (CBR puncture test)	BS 6906:Part 4:1989 (withdrawn) BS EN ISO 12236:1996 BS EN ISO 12236:2006 DIN 54307:1982 ASTM D6241-04	A
	Breaking load and extension (grab method)	ASTM D4632:1991(2003)	A
	Moisture content (GCL)	ASTM D2216-05	A
	Tensile properties using a wide width strip	ASTM D4595-05 BS EN ISO 10319:2008 BS EN ISO 10319:1996 BS 6906:Part 1:1987(1995) (withdrawn) ISO 10319:1993	A
	Tensile strength	ASTM D6768-04	A
	Thickness at specified pressures	ISO 9863:Part 2:1996 ISO 9863:1990 (withdrawn) BS EN 964-1:1995 (superseded) ASTM D5199:2001(2006)	A
	Peel strength	ASTM D4632:1991(2003)(mod) ASTM D413:1982(1993) ASTM D6496-04a	A
	Strength of internal structural junctions	BS EN ISO 13426-2:2005	A
	Index puncture resistance	ASTM D4833-00 <sup>E1</sup> (superseded) ASTM D4833-07	A
Index flux	ASTM D5887-08	A	



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GEOSYNTHETIC CLAY LINERS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)  Hydraulic conductivity	ASTM D5084-03 (GR1 GCL2)	A
FLEXIBLE SHEETS FOR WATER PROOFING	<u>Physical Tests and related Opinions and Interpretations</u>  Determination of tensile properties  Thickness  Mass per unit area  UV irradiation  Watertightness  Resistance to water penetration  Tensile properties  Dimensional stability  Tear resistance (nail shank)  Artificial ageing (elevated temperature)	BS EN 12311:Part 1:2000  BS EN 1849-2:2001  BS EN 1849-2:2001  EN 1297: 2004, mod by EN 13859-1: 2005 Annex C and EN 13859-2: 2004 Annex C BS EN ISO 4892-3:1999  EN 1928:2000, Method A EN 1928:2000, Method A modified by EN 13859-1:2005 and EN 13859-2:2004  BS EN 13111:2001  BS EN 12311-1:2000 BS EN 12311-1:2000 modified by EN 13859-1:2005 and EN 13859-2:2004  BS EN 1107-2:2001  BS EN 12310-1:2000 BS EN 12310-1:2000 modified by EN 13859-1:2005 and EN 13859-2:2004  BS EN 1296:2001 BS EN 1296:2001 modified by EN 13859-1:2005 and EN 13859-2:2004	A  A  A  A  A  A  A  A



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FLEXIBLE SHEETS FOR WATER PROOFING (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)  Water vapour transmission	BS EN 1931:2000 BS EN ISO 12572:2001 BS 3177:1959	A
LEATHER	<u>Physical Tests and related Opinions and Interpretations</u>  <u>Barrier Properties</u>  Measurement of water vapour permeability index	BS 7209:1990(1997), Appendix B	A
FABRICS:  for curtains and drapes  for protection against heat and flame  Fabrics for Apparel	<u>Fire Testing and related Opinions and Interpretations</u>  Flammability and related Opinions and Interpretations	BS 5438:1976 (2008) BS 5438:1989 (2008) BS EN 532:1995 (withdrawn) BS EN ISO 6940:1995 (withdrawn) BS EN ISO 6940:2004 (2007) BS EN ISO 6941:1995 (withdrawn) BS EN ISO 6941:2003  BS 5867:Part 2:1980 (withdrawn) BS 5867:Part 2:2008  BS EN 1101:1996 BS EN 1102:1996 BS 6249:Part 1:1982 (withdrawn) BS EN 533:1997 (withdrawn) BS EN ISO 14116:2008 BS ISO 15025:2000 (withdrawn) BS EN ISO 15025:2002  BS EN 1103:1996 (withdrawn) BS EN 1103:2005	B  B  B  B



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FABRICS: (cont'd)	<u>Fire Testing and related Opinions and Interpretations</u> (cont'd)		
TEXTILES USED in the CONSTRUCTION of MARQUEES and SIMILAR TEXTILE STRUCTURES	Flammability and related Opinions and Interpretations	BS 7837:1996 (2008)	B
PROTECTIVE CLOTHING and GLOVES	Burning behaviour	BS EN 407:1994, Clause 6.3 (withdrawn) BS EN 407:2004, Clause 6.3	B
	Heat transfer (radiation)	BS EN 366:1993 (withdrawn) ISO 6942:1993 (withdrawn) BS EN ISO 6942:2002	B
	Heat transfer (flame)	BS EN 367:1992 ISO 9151:1995	B
	Heat transfer (contact heat)	BS EN 702:1995 (2007) ISO 12127:1996 (withdrawn)	B
	Molten metal splash	BS EN 373:1993 (withdrawn) ISO 9185:1990 (withdrawn) BS EN ISO 9185:2007	B
	Small splashes of molten metal	BS EN 348:1992 ISO 9150:1988	B
	Heat resistance	BS EN 469:1995, Annex A (withdrawn) BS EN 659:1996, Annex A (withdrawn)	B
	Protection against heat	BS ISO 17493:2000	B
	Protection against liquid chemicals	EN 368:1993 (withdrawn) BS EN ISO 6530: 2005 ISO 6530:1990 (withdrawn)	B
	Mechanical Risk Test (for automobile drivers)	FIA Standard No 8856:2000 Appendix II	B
	Oven Gloves	BS 6526:1998 (2007)	B



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TEXTILES	Dimensional change	ISO 5077:1994 ISO 5077:1984 (withdrawn) ISO 3759:1984 (withdrawn) ISO 3759: 2007 BS EN ISO 5077:2008	B
	Washing	BS 5651:1989 (2008) BS EN ISO 10528:1995 BS EN 26330:1994 (withdrawn) ISO 6330:1984 (withdrawn) BS EN ISO 6330:2001	B
	Water soak prior to flammability testing	BS 5651:1978 (2008) Clause 4 BS 5651:1989 Clause 3 BS EN 1021-1/2:2006 Annex D	B
FABRICS and MADE-UP TEXTILES	<u>Electrostatic Tests and related Opinions and Interpretations</u>		
	Surface resistivity	BS 6524:1984(1995)	D
	Determination of electrical resistance	BS 2050:1978(2003) Clause A4.1 and A4.2	D
	Charge decay	BS IEC 61340-5-1:2001	D
PROTECTIVE CLOTHING	<u>Electrostatic properties</u>		
	Surface resistivity Electrical resistance through material	BS EN 1149:Part 1:1996 BS EN 1149:Part 2:1997	D
	Charge decay	BS EN 1149:Part 3:2004	D
	Design Requirements	BS EN 1149:Part 5:2008	D



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TEXTILE FLOOR COVERINGS, UNDERLAYS AND BACKINGS	<u>Physical Tests and related Opinions and Interpretations</u>		
	Carpet Construction	BS 4051:1987(1996) ISO 1765:1986 (2006) BS 4223:1989(2009) BS ISO 1766:1999(2005) ISO 1763:1986 (2006) BS ISO 8543:1998 (2005) BS EN ISO 845:1988	D
	Static loading	BS 4939:1987(1996) ISO 3416:1986	D
	Dynamic loading	BS ISO 2094:1999	D
	Thickness, compression and recovery	BS 4098:1975(1996)	D
	Tuft withdrawal	BS 5229:1975(2009) WNZ TM 202:1994	D
	Fibre Integrity test	WNZ TM 283:1997	D
	Pilling (Martindale)	Documented In-House Method (E2-14)	D
	Fibre shedding	Documented In-House Method (E2-15)	D
	Lisson tretrad	BS EN 1963:2007	D
	<u>Appearance Retention:</u>		
Tumbler test - Hexapod  - Vetterman	BS 659:Part2:1986(Withdrawn) ISO 10361:2000 WNZ TM 247:1997 BS EN ISO 11378:Part 2:2001 BS ISO 10361:2000	D	
Castor chair	BS EN 985:2001	D	



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TEXTILE FLOOR COVERINGS, UNDERLAYS AND BACKINGS (cont'd)	<u>Physical Tests and related Opinions and Interpretations</u> (cont'd)		
	Edge frying (Vetterman) Assessment	BS EN 1814:1998 BS EN 1471:1997 BS 6659:Part 1:1986 (withdrawn) ISO 9405:2001 (2007) WNZ TM 251:1997	
	Size and squareness of carpet tiles	BS 5921:1980(2009)	D
	Side length, squareness and straightness of tiles	BS EN 994:1996 (2007)	D
	<u>Dimensional Stability:</u>		
	Heat	BS 4682:Part 3:1981(1996)	D
	Water	BS 4682:Part 4:1981(1996)	D
	Heat and/or water	BS ISO/PAS 17984:2001(2007)	D
	Heat/Water (Aachen)	ISO 2551:1981(2005)	D
	Heat/Water (Carpet Tiles)	BS EN 986:2005	D
	Heat (resilient Floor Coverings)	BS EN 434:1994 (2000)	D
	Tensile strength	BS 2576:1986 (withdrawn) BS EN ISO 13934-1:1999	D
	Delamination	BS ISO 11857:2002 (2007)	D
	Mass of use surface	BS EN 984:2001	D
	Classification of needled floor coverings	BS EN 1470:1998	
	Classification of pile carpets	BS EN 1307:2008	D
Classification of flat wovens	BS EN 15114:2006	D	
Classification of needled floor coverings (without pile)	BS EN 1470:2008	D	



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**BTTG Ltd**

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
TEXTILE FLOOR COVERINGS, UNDERLAYS AND BACKINGS (cont'd)	<u>Dimensional Stability:</u> (cont'd)		
	Classification of needed pile floor coverings	BS EN 13297:2007	D
	Classification of underlays	BS 5808:1991(2005)	D
	<u>Electrostatic Tests and related Opinions and Interpretations</u>		
	Electrical resistance	BS 6654:1985(2009) IBM Electrostatic Tests:1974 ICL Electrostatic Tests:1980 BS ISO 10965:1998	D
	Body voltage	ISO 6356:2000 (2005) BS EN 1815:1998	D
TEXTILE FLOOR COVERINGS & CONSTRUCTION PRODUCTS	<u>Flammability Tests and related Opinions and Interpretations</u>		
	Ignitability and burning behaviour	BS 6307:1982(2003)/ ISO 6925:1982 ASTM D2859: 06 BS 4790:1987(2009) BS 5287:1988 (2009)	D
	Fire propagation and flame spread	ASNI/ASTM E648:2008	D
FLOOR COVERINGS	<u>Fire Testing and related Opinions and Interpretations</u>		
	Classification	BS EN 13501:Part 1:2007	D
	Flame spread	BS EN ISO 9239:Part 1:2002	D
	Direct impingement - single flame source	BS EN ISO 11925:Part 2:2002	D
	Non combustibility	BS EN ISO 1182:2002	D
	Single burn item	BS EN 13823:2002	D



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FLOOR COVERINGS (cont'd)	<u>Fire Testing and related Opinions and Interpretations</u> (cont'd)		
	Fire propagation	BS 476:Part 6:1989	D
	Flame spread	BS 476:Part 7:1987 (Amd 1990, 1992, 1993), Also 1997 version	D
TEXTILE FABRICS and FABRIC ASSEMBLIES	Water soak, washing, dry cleaning, etc	BS 5651:1978 BS 5651:1989(2002) BS EN ISO 10528:1995	D
UPHOLSTERED FURNITURE	<u>Fire Tests and related Opinions and Interpretations</u>		
	Ignitability and burning behaviour (including water soaking pre-treatments)	BS EN 1021-1:2006 BS EN 1021-2:2006 BS 7176:2007 BS 5852:2006 BS 5852:Part 1:1979 BS 5852:Part 2:1982	D
FABRICS	Ignitability, flame spread	BS 5438:1976 (Amd 1981) Test 2 BS 5438:1989 (Amd 1990/1994) (1997) Test 2 BS EN 1101:1996 BS EN ISO 6940:1995 BS EN 1102:1996 BS EN 1103:1996	D
	Curtains and Drapes	BS 5867:Part 2:2008 BS EN ISO 15025:2002	D



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BEDDING and BEDDING COMPOSITES	<u>Fire Tests and related Opinions and Interpretations</u>		
	Ignitability and burning behaviour	BS 6807:2006	D
	Ignitability of bed bases, etc	BS EN 597:Parts 1 and 2:1995	D
	Resistance to ignition	BS 7177: 2008 BS 7175:1989(1994) BS EN ISO 12952-1, -2, -3, -4: 1999	D
MARINE & AIRCRAFT	<u>Fire Tests and related Opinions and Interpretations</u>		
	Ignitability and burning behaviour	IMO Resolution A652 (16):1989 (1998)	D
	Ignitability, flame spread	IMO Resolution A471 (XII) 1981(1998)	D
	Resistance to ignition	IMO Resolution 688 (17)	D
	Lateral flame spread	IMO Resolution A653(16)	D
	Burning behaviour aircraft components	EASA C5.25.853 FAR/JAR 25 App F Part I (4) (16):1993(1998) Part II 1986(1998)	D
TOYS	Fire testing (Soft filled toys only)	BS EN 71-2:2006 + A1:2007	D
BLANKETS	<u>Fire Tests and related Opinions and Interpretations</u>		
	Flammability	BS 5866:Part 4:1991(2007)	D



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FABRICS FOR CAMPING TENTS	<u>Fire Tests and related Opinions and Interpretations</u>  Flammability	BS 7837:1996(2002) BS 6341:1983(2005)	D
END			