Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

Element Materials Technology Wednesbury Limited, trading as Element

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Testing performed by the Organisation at the locations specified below

Locations covered by the Organisation and their relevant activities

Laboratory location:

Location details		Activity	Location code
Address Unit 3 Wednesbury One Black Country New Road Wednesbury West Midlands WS10 7NZ	**Local contact** Mr I Keeling	Laboratory testing	A

Site activities performed away from the location listed above:

Location details		Activity	Location code
All locations suitable for the activity listed	**Local contact** Mr I Keeling	Performance tests on industrial, commercial and garage doors and gates	B

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - cylinders for locks	Key strength	BS EN 1303:2015	A
	Durability tests	BS EN 1303:2015	A
	Corrosion resistance and temperature	BS EN 1303:2015	A
	Corrosion resistance (Test of operation at extremes of temperatures)	BS EN 1303:2015	A
	Operation of the security mechanism	BS EN 1303:2015	A
	Torque resistance of plug and/or cylinder	BS EN 1303:2015	A
	Resistance to drilling	BS EN 1303:2015	A
	Resistance to attack by chisel	BS EN 1303:2015	A
	Resistance to attack by twisting	BS EN 1303:2015	A
	Resistance to attack by plug/cylinder extraction	BS EN 1303:2015	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - locks and latches - mechanically operated locks, latches and locking plates	Return force of latch bolt	BS EN 12209:2003	A
	Resistance to side load on latch bolt	BS EN 12209:2003	A
	Torque to operate deadbolt	BS EN 12209:2003	A
	Strength of normal latch action and stops	BS EN 12209:2003	A
	Torque resistance of rim lock with lockable handle/knob	BS EN 12209:2003	A
	Durability of latch action without force applied	BS EN 12209:2003	A
	Durability of latch action with force applied	BS EN 12209:2003	A
	Durability of deadbolt mechanism	BS EN 12209:2003	A
	Durability of locking snib mechanism	BS EN 12209:2003	A
	Closing force	BS EN 12209:2003	A
	Corrosion resistance	BS EN 12209:2003	A
	Operation at extremes of temperature	BS EN 12209:2003	A
	Torque resistance of knob or lever handle on bored lock and latch sets	BS EN 12209:2003	A
	Torque resistance of knob or lever handle on rim night latch	BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - locks and latches - mechanically operated locks, latches and locking plates (cont'd)	Resistance to side load on deadbolt	BS EN 12209:2003	A
	Resistance to drilling and side load on deadbolt	BS EN 12209:2003	A
	Deadbolt projection	BS EN 12209:2003	A
	Resistance to end load	BS EN 12209:2003	A
	Resistance to end load with drilling	BS EN 12209:2003	A
	Resistance to pulling of hook/claw bolt	BS EN 12209:2003	A
	Resistance to disengaging of hook/claw bolt	BS EN 12209:2003	A
	Resistance to forcing of locating device in sliding door locks	BS EN 12209:2003	A
	Resistance to pulling off of knob on bored lock and latch set	BS EN 12209:2003	A
	Resistance to end load on box protected locking plate	BS EN 12209:2003	A
	Resistance to side load on locking plate	BS EN 12209:2003	A
	Resistance to pulling on locking plate	BS EN 12209:2003	A
	Resistance to lifting force on locking plate	BS EN 12209:2003	A
	Protection against removal from door	BS EN 12209:2003	A
	Strength of key	BS EN 12209:2003	A
	Manual locking	BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - locks and latches - mechanically operated locks, latches and locking plates (cont'd)	Manual locking with intermediate locking positions	BS EN 12209:2003	A
	Automatically locking deadbolt	BS EN 12209:2003	A
	Automatically locking latch bolt	BS EN 12209:2003	A
	Torque to withdraw the latch bolt with key	BS EN 12209:2003	A
	Torque to withdraw latch bolt with handle	BS EN 12209:2003	A
	Strength of bolt actions	BS EN 12209:2003	A
	Minimum follower restoring torque	BS EN 12209:2003	A
	Non-interpassing of keys with just one interval differ	BS EN 12209:2003	A
	Operation time for locking and unlocking	BS EN 14846:2008	A
	Resistance to side load on latch	BS EN 14846:2008	A
	Torque to operate deadbolt	BS EN 14846:2008	A
	Strength of normal latch action and stops	BS EN 14846:2008	A
	Torque resistance of lockable follower	BS EN 14846:2008	A
	Durability of mechanical latch action without force applied	BS EN 14846:2008	A
	Mechanical latch action durability with a force applied	BS EN 14846:2008	A
	Durability of latch action or electric strike without force applied electrically operated	BS EN 14846:2008	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - locks and latches - electromechanically operated locks and striking plates (cont'd)	Durability of deadbolt mechanism mechanically operated	BS EN 14846:2008	A
	Durability of deadbolt mechanism electrically operated	BS EN 14846:2008	A
	Closing force	BS EN 14846:2008	A
	Corrosion resistance	BS EN 14846:2008	A
	Cold	BS EN 14846:2008	A
	Dry heat	BS EN 14846:2008	A
	Resistance to cyclic humidity	BS EN 14846:2008	A
	Security	BS EN 14846:2008	A
	Security - electrical function - status indication	BS EN 14846:2008	A
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode	Return force of latch bolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to side load on latch bolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque to operate deadbolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Strength of normal latch action and stops	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque resistance of rim lock with lockable handle/knob	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode (cont'd)	Durability of latch action without force applied	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Durability of latch action with force applied	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Durability of deadbolt mechanism	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Durability of locking snib mechanism	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Closing force	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Corrosion resistance	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Operation at extremes of temperature	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque resistance of knob or lever handle on bored lock and latch sets	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque resistance of knob or lever handle on rim night latch	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode (cont'd)	Resistance to side load on deadbolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to drilling and side load on deadbolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Deadbolt projection	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to end load	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to end load with drilling	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to pulling of hook/claw bolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to disengaging of hook/claw bolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to forcing of locating device in sliding door locks	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to pulling off of knob on bored lock and latch set	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode (cont'd)	Resistance to end load on box protected locking plate	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to side load on locking plate	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to pulling on locking plate	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Resistance to lifting force on locking plate	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Protection against removal from door	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Strength of key	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Manual locking	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Manual locking with intermediate locking positions	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Automatically locking deadbolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode (cont'd)	Automatically locking latch bolt	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque to withdraw the latch bolt with key	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Torque to withdraw latch bolt with handle	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Strength of bolt actions	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Minimum follower restoring torque	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Non-interpassing of keys with just one interval differ	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012 BS EN 12209:2003	A
	Key strength	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Durability tests	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Corrosion resistance and temperature	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
THIEF RESISTANT LOCK ASSEMBLIES - key egress - keyless egress - dual mode (cont'd)	Corrosion resistance (Test of operation at extremes of temperatures)	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Operation of the security mechanism	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Torque resistance of plug and/or cylinder	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Resistance to drilling	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Resistance to attack by chisel	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Resistance to attack by twisting	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Resistance to attack by plug/cylinder extraction	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007:A2:2012 BS EN 1303:2005	A
	Security hardware and cylinder test - Part 1 - Part 2	BS 3621:2007+A2:2012 BS 8621:2007+A2:2012 BS 10621:2007+A2:2012	A
REPLACEMENT LOCK CYLINDERS and ASSOCIATED HARDWARE	Enhanced security performance	DHF TS007:2014+A2:2018	A
LETTER PLATE ASSEMBLIES	Enhanced security performance	DHF TS 008: 2022 Excluding clauses 7.6, 7.7 & 7.8	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - single-axis hinges	Measurements	BS EN 1935:2002	A
	Load-deformation	BS EN 1935:2002	A
	Overload	BS EN 1935:2002	A
	Shear strength	BS EN 1935:2002	A
	Endurance	BS EN 1935:2002	A
	Corrosion resistance	BS EN 1935:2002	A
BUILDING HARDWARE - lever handles	Check of spindle and fastening elements	BS EN 1906:2012	A
	Axial strength of lock or latch furniture and fastening elements	BS EN 1906:2012	A
	Free play and safety	BS EN 1906:2012	A
	Free angular movement or misalignment	BS EN 1906:2012	A
	Torque of return mechanism	BS EN 1906:2012	A
	Durability of mechanism	BS EN 1906:2012	A
	Axial strength and method of fastening of special safety furniture	BS EN 1906:2012	A
	Rotational strength	BS EN 1906:2012	A
	Corrosion resistance	BS EN 1906:2012	A
BUILDING HARDWARE - emergency exit devices operated by a lever handle or push pad, for use on escape routes	Temperature test	BS EN 179:2008	A
	Corrosion test	BS EN 179:2008	A
	Release tests	BS EN 179:2008	A
	Re-engaging test	BS EN 179:2008	A
	Durability test	BS EN 179:2008	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - emergency exit devices operated by a lever handle or push pad, for use on escape routes (cont'd)	Abuse resistance test - Operating element	BS EN 179:2008	A
	Abuse resistance test - Vertical rods	BS EN 179:2008	A
	Security test	BS EN 179:2008	A
	Final examination	BS EN 179:2008	A
BUILDING HARDWARE - panic exit devices operated by a horizontal bar, for use on escape routes	Temperature test	BS EN 1125:2008	A
	Corrosion test	BS EN 1125:2008	A
	Release tests	BS EN 1125:2008	A
	Re-engaging test	BS EN 1125:2008	A
	Durability test	BS EN 1125:2008	A
	Abuse resistance test - Horizontal bar	BS EN 1125:2008	A
	Abuse resistance test - Vertical rods	BS EN 1125:2008	A
	Final examination	BS EN 1125:2008	A
BUILDING HARDWARE - controlled door closing devices	Operation at extremes of temperature	BS EN 1154:1997+A1:2002	A
	Mechanical performance and durability	BS EN 1154:1997+A1:2002	A
	Corrosion resistance	BS EN 1154:1997+A1:2002	A
BUILDING HARDWARE - electrically powered hold-open devices for swing doors	Settleback at 90° hold open	BS EN 1155:1997+A1:2002	A
	Manual release	BS EN 1155:1997+A1:2002	A
	Electrical release	BS EN 1155:1997+A1:2002	A
	Temperature rise	BS EN 1155:1997+A1:2002	A
	Opening overload	BS EN 1155:1997+A1:2002	A
	Durability	BS EN 1155:1997+A1:2002	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING HARDWARE - electrically powered hold-open devices for swing doors (cont'd)	Continuous hold-open	BS EN 1155:1997+A1:2002	A
	Salt spray	BS EN 1155:1997+A1:2002	A
BUILDING HARDWARE - door co-ordinator devices	Overload performance	BS EN 1158:1997+A1:2002	A
	Manipulation	BS EN 1158:1997+A1:2002	A
	Waiting position	BS EN 1158:1997+A1:2002	A
	Durability	BS EN 1158:1997+A1:2002	A
	Salt spray	BS EN 1158:1997+A1:2002	A
BUILDING HARDWARE - for doors, windows, shutters and curtain walling	Corrosion resistance - neutral salt spray	BS EN 1670:2007 BS EN ISO 9227:2022 Neutral Salt Spray NSS Only	A
INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES	Force for manual operation	BS EN 13241:2003 + A2:2016 Clause 4.2.2 BS EN 12453:2001 BS EN 12604:2000 BS EN 12605:2000	B
	Safe opening of vertically moving doors	BS EN 13241:2003 + A2:2016 Clause 4.2.8 BS EN 12604:2000 BS EN 12605:2000	B
	Operating forces of power operated doors	BS EN 13241:2003 + A2:2016 Clause 4.3.3 BS EN 12445:2001 BS EN 12453:2001	B
	Resistance to wind load - complete doors - individual or collective elements	BS EN 13241:2003 + A2:2016 Clause 4.4.3 BS EN 12424:2000 BS EN 12444:2001	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
EXTERNAL DOORSETS	Letter plate fixings	BS EN 13724:2002 (withdrawn) Clause 6.6.5.1	A
DOORSETS - single and double leaf - single and double swing - hinged - sliding (single and multi-track) - pivot - folding sliding (single and multi-track) - stable - with or without integral side panels and fanlights	Manipulation test Infill medium removal - manual test Infill medium removal - mechanical test Manual cutting test Mechanical loading test Manual check test Soft body impact test Hard body impact test Security hardware and cylinder test - Part 1 Security hardware and cylinder test - Part 2	PAS 24:2016	A
DOORSETS - single and double leaf - single and double swing - hinged - sliding (single and multi-track) - pivot - folding sliding (single and multi-track) - stable - with or without integral side panels and fanlights	Manipulation test Infill medium removal - manual test Infill medium removal - mechanical test Manual cutting test Mechanical loading test - Not including sliding doorsets Mechanical loading test - Sliding doorsets Manual check test Soft body impact test Hard body impact test Security hardware and cylinder test - Part 1 Security hardware and cylinder test - Part 2 Security hardware and cylinder test - Part 3 (Door assembly integrity test)	PAS 24:2022	A
DOORS	Resistance to vertical load	BS 6375-2:2009 BS EN 947:1999	A
	Resistance to static torsion	BS 6375-2:2009 BS EN 948:1999	A
	Resistance to soft and heavy body impact	BS 6375-2:2009 BS EN 949:1999	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DOORS (cont'd)	Resistance to hard body impact	BS 6375-2:2009 BS EN 950:1999	A
	Resistance to repeated opening and closing	BS 6375-2:2009 BS EN 1191:2000	A
	Operating forces	BS 6375-2:2009 BS EN 12046-2:2000	A
	Strength of safety devices	BS 6375-2:2009 BS EN 948:1999 Documented In-House Method No EX-FI-OP-BH-WL-SOP-055	A
	Closure against obstruction	BS 6375-3:2009+A1:2013	A
PEDESTRIAN DOORSETS (single and multi-leaf) and WINDOWS groups 1 and 2	Burglar resistance Resistance under static loading Resistance classes 1, 2 and 3	BS EN 1628:2011 BS EN 1627:2011 following the UK Police Service Secured By Design (SBD) interpretive document (Issue 7 Published 27th March 2013) for BS EN 1627:2011, BS EN 1628:2011, BS EN 1629:2011 and BS EN 1630:2011	A
	Burglar resistance Resistance under dynamic loading Resistance classes 1, 2 and 3	BS EN 1629:2011 BS EN 1627:2011 following the UK Police Service Secured By Design (SBD) interpretive document (Issue 7 Published 27th March 2013) for BS EN 1627:2011, BS EN 1628:2011, BS EN 1629:2011 and BS EN 1630:2011	A
	Burglar resistance Resistance to manual burglary attempts Resistance classes 1, 2 and 3	BS EN 1630:2011 BS EN 1627:2011 following the UK Police Service Secured By Design (SBD) interpretive document (Issue 7 Published 27th March 2013) for BS EN 1627:2011, BS EN 1628:2011, BS EN 1629:2011 and BS EN 1630:2011	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WINDOWS and DOORS	Weathertightness	BS 6375-1:2015	A
	Air permeability	BS 6375-1:2015 BS EN 1026:2016	A
	Watertightness	BS 6375-1:2015 BS EN 1027:2000 BS EN 1027:2016	A
	Resistance to wind load	BS 6375-1:2015 BS EN 12211:2016	A
	Basic security test	BS 6375-3:2009+A1:2013	A
WINDOWS, DOORS and SHUTTERS	Calculation of thermal transmittance (U-value)	BS EN ISO 10077-1:2006 BS EN ISO 10077-1:2017 BS EN ISO 10077-2:2017 BS EN ISO 10077-1:2017 BS EN ISO 10456:2007 Clause 6 BS EN 673:2011	A
WINDOWS	Resistance to repeated opening and closing	BS 6375-2:2009 BS EN 1191:2000	A
	Operating forces	BS 6375-2:2009 BS EN 12046-1:2003	A
	Soft and heavy body impact	BS 6375-2:2009 BS EN 13049:2003	A
	Resistance to racking	BS 6375-2:2009 BS EN 14608:2004	A
	Resistance to static torsion	BS 6375-2:2009 BS EN 14609:2004	A
	Strength of safety devices	BS 6375-2:2009 BS EN 14609:2004 Documented In-House Method No EX-FI-OP-BH-WL-SOP-056	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WINDOWS: SINGULAR and MULTILIGHT - top hung, side hung, bottom hung, butt hinged - top and side hung projected - top hung and side hung fully reversible - tilt and turn and turn and tilt - vertical and horizontal sliding - fixed and fixed casements (dummy vents) - parallel opening - double opening (French windows) - vertical and horizontal pivot	Manipulation test Infill medium removal - manual test Infill medium removal - mechanical test Mechanical loading test Manual check test	PAS 24:2016	A
WINDOWS: SINGULAR & MULTILIGHT - top hung, side hung, bottom hung, butt hinged - top and side hung projected - top hung and side hung fully reversible - tilt and turn and turn and tilt - vertical and horizontal sliding - fixed and fixed casements (dummy vents) - parallel opening - double opening (French windows) - vertical and horizontal pivot	Manipulation test Infill medium removal - manual test Infill medium removal - mechanical test Mechanical loading test - non vertical sliding windows Mechanical loading test - vertical sliding windows Manual check test	PAS 24:2022	A
WINDOWS - Sliding, Lift and Slide or Lift and Slide and Tilt windows and door-height windows	Resistance to repeated opening and closing	BS EN 1191: 2012 Annex B	A
WINDOWS - Vertical Sliding windows	Resistance to repeated opening and closing	BS EN 1191: 2012 Annex F	A
WINDOWS - side-hung and top-hung windows, opening outwards (including reversible windows)	Resistance to repeated opening and closing	BS EN 1191: 2012 Annex G	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DOORS - side-hung pedestrian doorsets excluding power operated doors (single and double leaf doorsets, with or without self-closing devices)	Resistance to repeated opening and closing	BS EN 1191:2012 Annex H	A
AUTOMOTIVE TRIM and COMPONENTS	LOW TEMPERATURE TESTS: Minimum temperature: -40 ºC Maximum chamber size: 6.00 m x 3.00 m x 2.50 m high	BS EN 60068-2-1:2007	A
	DRY HEAT TESTS: Maximum temperature: +150 ºC Maximum chamber size: 5.00 m x 3.00 m x 2.50 m high Maximum temperature: +200 ºC Maximum chamber size: 1.20 m x 0.70 m x 1.40 m high	BS EN 60068-2-2:2007 IEC 60068-2-2:2007 Jaguar / Land Rover TPJLR.52.352 Issue 2:2011	A
	TEMPERATURE CHANGE VARIATION: Maximum chamber size: 6.00 m x 3.00 m x 2.50 m high	BS EN 60068-2-14:2009 Test N Jaguar / Land Rover TPJLR.52.353 Issue 3:2011	A
	Introduction to test chamber from IEC 60068-3-6: Maximum chamber size: 6.00 m x 3.00 m x 2.50 m high	BS EN 60068-2-30:2005 Test Db BS EN 60068-2-78:2002 (Withdrawn) BS EN 60068-2-78:2012 Test Cab Jaguar / Land Rover TPJLR.52.351 Issue 4:2017	A
	Abrasion (Taber)	SAE J948:June 2017 Ford FLTM BN 108-02 Honda 7710 ZSCC_9000 6.7 Nissan NES M0141 6.2.8 Toyota TSM 0502G 4.6.4	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AUTOMOTIVE TRIM and COMPONENTS (cont'd)	Colour fastness to rubbing	BS EN ISO 105-X12:2016 Ford FLTM BN107-01 VW PV 3906	A
	Scratch resistance	Ford FLTM BN 108-13 GMW 14698 Method B Jaguar / Land Rover TPJLR.52.004	A
	Paint adhesion	ASTM D 3359 2017Ford FLTM BI 106-01 Nissan NES M0141 6.2.4 Methods A and B Jaguar / Land Rover TPJLR.52.061 issue 2 2012 DIN ISO EN 2409:2013	A
	Chemical resistance	Ford FLTM BO 101-05 Jaguar / Land Rover TPJLR.52.154 and TPJLR.52.155	A
	Soiling and cleanability	Ford FLTM BN 112-08 Jaguar / Land Rover TPJLR.52.210 issue 2 2010	A
	Resistance to chipping	SAE J400 Ford FLTM BI 157-06 Jaguar / Land Rover TPJLR.52.599 Nissan NES M0141 6.2.3 Toyota TSM 0502G 4.5.4	A
	Corrosion resistance	ASTM B117:2016 (withdrawn) Jaguar / Land Rover TPJLR.52.252 ISO 9227:2017 Neutral Salt Spray NSS Only (Withdrawn) ISO 9227:2022 Neutral Salt Spray NSS Only	A
END			

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 - including testing away from site (Article 46)	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) : - Doors and gates (with or without related hardware) (other declared specific uses and/or uses subject to other specific requirements, in particular noise, energy, tightness and safety-in-use (i.e. NOT for fire/smoke compartmentation, NOT for escape routes).	EN 13241:2003 + A2:2016 EN 14351-1:2006+A2:2016
	Annex V - Testing Laboratory (AVCP) System 3	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) : - Windows (with or without related hardware) (any other).	EN 14351-1:2006+A2:2016

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 - including testing away from site (Article 46)	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) : - Doors and gates (with or without related hardware) (other declared specific uses and/or uses subject to other specific requirements, in particular noise, energy, tightness and safety-in-use (i.e. NOT for fire/smoke compartmentation, NOT for escape routes).	EN 13241:2003 + A2:2016 EN 14351-1:2006+A2:2016
	Annex V - Testing Laboratory (AVCP) System 3	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) : - Windows (with or without related hardware) (any other).	EN 14351-1:2006+A2:2016
END			