


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|--|---|--|
|  0621 Accredited to ISO/IEC 17025:2017 | Element Materials Technology Wednesbury Limited, trading as Element | |
| | Issue No: 047 Issue date: 18 December 2019 | |
| | Unit 3 Wednesbury One Black Country New Road Wednesbury West Midlands WS10 7NZ | Contact: Mr C Adams Tel: +44 (0)121 506 7500 E-Mail: christian.adams@element.com Website: www.element.com |
| 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 C Adams | 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 C Adams | Performance tests on industrial, commercial and garage doors and gates | B |



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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 |
|---|--|--|---------------|
| PIVOTED DOORS, WINDOWS and ASSOCIATED FURNITURE | A flexible scope including: Cycling tests Measurement of operating forces Loading tests and any combination of the above, within the ranges of: mass ≤ 200 kg force ≤ 50 kN torque ≤ 150 Nm | Documented In-House Methods developed using E-E-QU-MAN001-Section 5 Local Appendix 2 | A |
| 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 | |



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|---|--|--|---------------|
| 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 | |



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|--|--|--|---------------|
| 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 | |



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| 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 | |



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|---|---|---|---------------|
| 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 |



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| 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 |



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| 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 |



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| 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 |



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| 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 |



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| 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 PAS 24:2007 | A |
| REPLACEMENT LOCK CYLINDERS and ASSOCIATED HARDWARE | Enhanced security performance | DHF TS 007:2014 + A1:2015 | A |
| LETTER PLATE ASSEMBLIES | Enhanced security performance | DHF TS 008: 2015 incorporating corrigendum No.1 March 2016 | A |



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| 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 |
| BUILDING HARDWARE - lever handles and knob furniture | Corrosion resistance | BS EN 1935:2002 | A |
| | 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 |



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| 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 |



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| 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 9227:2017 | 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 water penetration | BS EN 13241:2003 + A2:2016 Clause 4.4.2 BS EN 12425:2000 BS EN 12489:2000 | A |
| | 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 |



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| INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES (cont'd) | Air permeability | BS EN 13241:2003 + A2:2016 Clause 4.4.6 BS EN 12426:2000 BS EN 12427:2000 | A |
| EXTERNAL DOORSETS - single and double leaf - single swing - hinged - sliding - folding sliding - inward and outward opening - 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 - Part 2 | BS 6375-3:2009+A1:2013 PAS 24:2012 | A |
| | 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 - Part 2 | PAS 24:2016 | 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 |



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Issue No: 047 Issue date: 18 December 2019

Testing performed by the Organisation at the locations specified

| 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 |



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| 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 |



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|--|--|--|---------------|
| <p>WINDOWS: SINGULAR and MULTILIGHT</p> <ul style="list-style-type: none"> - top hung (open out), side hung (open in and open out), bottom hung (open in), butt hinged - top and side hung (open out), projected - top hung fully reversible - tilt and turn and turn and tilt - fixed and dummy vents - double opening (French windows) | <p>Manipulation test Infill medium removal</p> <ul style="list-style-type: none"> - manual test <p>Infill medium removal</p> <ul style="list-style-type: none"> - mechanical test <p>Mechanical loading test Manual check test</p> | <p>BS 6375-3:2009+A1:2013 PAS 24:2012</p> | A |
| <p>WINDOWS: SINGULAR and MULTILIGHT</p> <ul style="list-style-type: none"> - 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 | <p>Manipulation test Infill medium removal</p> <ul style="list-style-type: none"> - manual test <p>Infill medium removal</p> <ul style="list-style-type: none"> - mechanical test <p>Mechanical loading test Manual check test</p> | PAS 24:2016 | A |
| <p>WINDOWS</p> <ul style="list-style-type: none"> - 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 |
| <p>WINDOWS</p> <ul style="list-style-type: none"> - Vertical Sliding windows | Resistance to repeated opening and closing | BS EN 1191: 2012 Annex F | A |
| <p>WINDOWS</p> <ul style="list-style-type: none"> - side-hung and top-hung windows, opening outwards (including reversible windows) | Resistance to repeated opening and closing | BS EN 1191: 2012 Annex G | A |



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|---|---|---|---------------|
| 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 °C 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 °C Maximum chamber size: 5.00 m x 3.00 m x 2.50 m high Maximum temperature: +200 °C | 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 Jaguar / Land Rover TPJLR.52.353 Issue 3:2011 | A |
| | CYCLIC HUMIDITY: Maximum chamber size: 6.00 m x 3.00 m x 2.50 m high | BS EN 60068-2-30:2005 BS EN 60068-2-78:2002 Jaguar / Land Rover TPJLR.52.351 Issue 4:2017 | A |
| | Abrasion (Taber) | SAE J948:December 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 |
| | | | |



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| 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 Jaguar / Land Rover TPJLR.52.252 ISO9227:2017 | A |
| END | | | |



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Accreditation for the purpose of Notified Body activity 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 |
|---|--|--|--|
| The Construction Products Regulation (EU) No 305/2011 | 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