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## CERTIFICATE OF APPROVAL

### No CF 5999

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

**SimonsVoss Technologies Ltd**  
**'22-24 Ely Place, London, EC1N 6TE**  
**Phone: 01132 515036**

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

**SmartHandle Range of Mortice  
Locks and Electronic  
Escutcheons**

#### TECHNICAL SCHEDULE

**TS23 The Contribution of  
Locks and Latches to The  
Performance of Fire Resisting  
Doorsets**

**Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited**

**Paul Duggan**  
**Certification Manager**



Issued: 8<sup>th</sup> March 2022  
Audit Test Frequency: Annually  
Valid to: 7<sup>th</sup> March 2027





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#### SmartHandle Mortice Locks and Electronic Escutcheons

1. This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. The SimonsVoss locks and strikes covered by this certificate are all morticed lockcases with surface mounted electronic escutcheons. This approval relates to the following specific products:

- i) 5650 mortice nightlatch
- ii) SmartHandle AX
- iii) SmartHandle 3062

The nightlatch has a steel forend, case, latchbolt and strikeplate; with a maximum forend dimension of 235 mm high x 20 mm wide x 3 mm thick, case dimensions of 165mm high x 15 mm thick x a maximum depth of 95 mm, and a latchbolt projection of 11 mm.

3. This approval relates to their use with the following door assemblies:-

**Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30 minutes or 60 minutes (Code ITT).**

4. The locks are approved on the basis of:

- i) Initial type testing to EN 1634-1 and EN 12209
- ii) An appraisal against TS23
- iii) Certification of quality management system.
- iv) Inspection and surveillance of factory production control
- v) On-going audit testing in accordance with TS23 requirements

5. This approval relates to the use of the above locks and electronic escutcheons in contributing to the fire resistance performance of timber/mineral-based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.

6. EN1634-1 was issued originally in 2000, with amended versions issued in 2008, 2014 and 2018. The differences between each version are mainly procedural and are not considered to have a practical impact on the performance of the samples under test. On this basis this evaluation is consider applicable to all versions of EN1634-1 issued prior to the issue of this certificate.

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#### SmartHandle Mortice Locks and Electronic Escutcheons

7. The locks and electronic escutcheons and their associated strikeplates and keeps may only be fitted in the manner described in this certificate and subject to any limitations on the inclusion of locks specified for the door leaf. This approval is applicable only to the specified locks and electronic escutcheons used with door assemblies of proven fire resistance (as defined in BS EN 1634-1).
8. The locks and electronic escutcheons should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: part 22: 1987) with similar size locks and strikeplates, the critical aspects of the doorset construction are considered to be the material of the door frame, the leaf to frame clearance gaps and the lipping material. Attention should be paid to these details and these should not be amended from that previously fire tested. The following minimum specification will be followed:

#### Timber-based assemblies:

- i) Door frame density - 450 kg/m<sup>3</sup> (30 minutes), 640 kg/m<sup>3</sup> (60 minutes)
  - ii) Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications.
  - iii) Lipping density - 640 kg/m<sup>3</sup>.
9. When fitted to insulated timber or mineral composite door assemblies, The required protection will be as follows:
- a. The required protection for 30 minute ITT applications will be 1 mm thick Interdens mono ammonium phosphate intumescent sheet around the lock case, and 2 mm thickness of the same material behind the forend and strikeplate.
  - b. The required protection for 60 minute ITT applications will be 2 mm thick Interdens mono ammonium phosphate intumescent sheet around the lock case, behind the forend and strikeplate. Additionally the perimeter intumescent fire seals within the frame/door edge shall by-pass the strike plate or forend by a minimum of 6.5 mm wide on each side (with the exception of the latchbolt lip where present).

*Note: Failure to install the above protection will invalidate this certificate.*

10. The doorsets shall not be of metal construction (leaf or frame).
11. The effectiveness and electrical safety of the electronic escutcheons is outside the scope of this certification.
12. The locks shall only be fitted using the fixings supplied by the manufacturer.

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#### SmartHandle Mortice Locks and Electronic Escutcheons

13. Timber doorsets shall be installed in accordance with BS 8214.
14. Approval of the locks/latches relates specifically to ITT FD30, FD60, EI60. E60 doorsets.
15. The locks/latches should not be fitted higher than 1100 mm from the spindle to the finished floor level of the surrounding floors.
16. The spindle hole through the door shall be a maximum of 15 mm diameter unless the doorset has test evidence that proves spindle holes of a greater size than this.
17. Recessing for locks shall result in a tight fit, allowing for any intumescent protection where required. Mortices for the latchbolt and deadbolt behind the strikeplate shall be as small as possible.
18. The mortice locks may incorporate Europrofile cylinders as follows:
  - i) Single cylinder
  - ii) Double cylinder
  - iii) Cylinder and thumbturn
  - iv) Brass or steel cylinders for ITT30 and 60 doorsets

*Note: The hole in the door face shall follow the shape of the cylinders and be as tight as possible; furthermore the single cylinders door preparation will penetrate through only half the thickness of the door leaf)*

19. An appraisal of the hardware variants detailed in this report is based upon product information supplied by the hardware manufacturer/supplier, which is retained in the confidential file relating to this report. Warringtonfire have not inspected the devices being appraised and cannot be held responsible for the accuracy of the information provided.
20. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.



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#### SmartHandle Mortice Locks and Electronic Escutcheons

21. The following table shows the acceptable doorset types and fire resistance periods:

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	x	x	✓	x	x
FD30	x	x	✓	x	x
FD60	x	x	✓	x	x
FD90	x	x	x	x	x
FD120	x	x	x	x	x
FD240	x	x	x	x	x
E 20	x	x	✓	x	x
EI 20	x	x	✓	x	x
E 30	x	x	✓	x	x
EI 30	x	x	✓	x	x
E 60	x	x	✓	x	x
EI 60	x	x	✓	x	x
E 90	x	x	x	x	x
EI 90	x	x	x	x	x
E 120	x	x	x	x	x
EI 120	x	x	x	x	x
E 240	x	x	x	x	x
EI 240	x	x	x	x	x

**Key:**

- ✓ - approved
- x - Not approved

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#### SmartHandle Mortice Locks and Electronic Escutcheons

22. Doors are classified as the following types:

**Code ITT** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

**Code ITM** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

**Code ITC** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

**Code MM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

**Code IMM** - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

#### Approved Accessories

- The locks may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- ITT door leaves shall have solid lignocellulosic construction in the lock area encompassing the entire lock case.
- Strikeplates/keeps - The maximum size permitted for use on all doorsets is as follows:

width	25 mm (exc. Lip)
height	100 mm
thickness	1.5 mm
Latchbolt- lip height	70 mm

- Plastic dust boxes are permitted behind the strikeplate, however the intumescent protection identified in section 9 shall be maintained.



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**SmartHandle Mortice Locks and Electronic Escutcheons**

**Classification codes**

5650 mortice nightlatch:

3	X	8	1	0	F	1	B	B	2	0
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**Further Information**

Further information regarding the details contained in this certificate may be obtained from SimonsVoss Technologies Ltd (Tel: 01132 515036).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).