



CERTIFICATE OF APPROVAL

No CF 10218

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

Surelock McGill Ltd

**26 The Business Centre,
Molly Millars Lane,
Wokingham,
RG41 2QY
United Kingdom
Tel: 0118 977 2525**

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

CERTIFIED PRODUCT

TY1A Single point mortice lock

TECHNICAL SCHEDULE

**TS26 The Contribution of Panic
Exit Devices to the Fire
Resistance of Door Assemblies**

**TS31 The Contribution of
Emergency Exit Devices to the
Fire Resistance of Door
Assemblies**

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

**Paul Duggan
Certification Manager**



Issued: 28th March 2025
Audit Test Frequency: Annually
Valid to: 27th March 2030





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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 approval applies to the following products and configurations:

Reference	Description
TY1A	Single point mortice lock

The TY1A is provided with 265 mm high x 30 mm wide x 3 mm thick forends and 171 mm x 205 mm x 21 mm case; the forend, case, strikeplate and bolts are of steel, and the bolt has a 25 mm throw. The strikeplates are 135 mm high x 40 mm wide x 2.5 mm thick.

The lock incorporates an automatic deadbolt, which when withdrawn by the handle, etc. is held back, and fires automatically on closure of the door.

3. The lock is approved with the following functions:
 - Outside entry access:
 - None (XXXX)
 - Key and lever Outside Access Device (KMLS)
 - Electronic unlocking (solenoid) and lever inside exit operation (AMLS)
 - Inside Exit option:
 - Panic bar (LMPB)
 - Panic bar (LMPE)
 - Emergency lever handle (LMLS)
 - Accessories:
 - Cylinder guard (GMS)
 - Breakdome over thumbturn

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

Code ITT - 20 minute to 60 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

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

*** Breakdome over thumbturn restricted to 30 minutes for MM/IMM doorsets.**

5. The locks are approved on the basis of:

- i) Initial type testing to EN 1634-1 and EN 179 and EN1125
- ii) An appraisal against TS26 and TS31
- iii) Certification of quality management system.
- iv) Inspection and surveillance of factory production control
- v) On-going audit testing in accordance with TS31 requirements

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6. This approval relates to the use of the above locks in contributing to the fire resistance performance of timber based doorsets, as defined in BS EN 1634-1:2014+A1:2018 or BS 476-22: 1987.
7. The mortice locks shall only be used with door assemblies that are CERTIFIRE approved or have achieved the appropriate fire resistance performance when tested at a laboratory accredited to IS/IEC 17025 (under International Laboratory accreditation Cooperation (ILAC) membership), in accordance with BS 476: Part 22: 1987 and/or BS EN 1634:1 with similar or larger 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.
8. The following minimum specification shall be followed, unless the chosen doorset has evidence to the contrary with locks/strikeplates of a similar size/specification:

30 minute ITT - Timber-based assemblies:

- i) Door frame minimum density - 450 kg/m³
- ii) Door leaves shall have a minimum thickness of 44 mm.
- iii) Lipping minimum density - 640 kg/m³.

60 minute ITT - Timber-based assemblies:

- i) Door frame minimum density - 640 kg/m³
- ii) Door leaves shall have a minimum thickness of 54 mm.
- iii) Lipping minimum density - 640 kg/m³.

Steel-based assemblies (Code MM/IMM)

- i) Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.
 - ii) No additional intumescent protection is required.
9. When fitted to insulated ITT timber-based door assemblies, The required protection will be as follows:
- The required protection for 30 minute ITT applications will be 1 mm thickness of Interdens intumescent sheet material, either side of the lock case and behind the strike plate.
 - The required protection for 60 minute ITT applications will be 1 mm thickness of Interdens intumescent sheet material, either side of the lock case and behind the strike plate.

Note: Failure to install the protection will invalidate this certificate

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10. The mortice locks 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/latches specified for the door leaf. This approval is applicable only to the specified locks used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and when using appropriate intumescent protection.
11. The locks/latches should not be fitted higher than 1350 mm from the spindle to the finished floor level of the surrounding floors.
12. Recessing for locks and strikeplates shall result in a tight fit, allowing for any intumescent protection where required.
13. The spindle hole through the door shall be a maximum of 16 mm diameter unless the doorset has test evidence that proves spindle holes of a greater size than this.
14. Cylinders shall only be fitted to doors which have previously been shown capable of accommodating the installation of cylinder locks without detriment to the doorset's performance.
15. The mortice locks may incorporate Euro profile cylinders as follows:
 - i) Single cylinder
 - ii) Double cylinder
 - iii) Cylinder and thumbturn
 - iv) Brass or steel cylinders

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)

Where the GMS cylinder guard is fitted in ITT 30 or 60 doors, a 64 mm diameter recess is required through the face of the door on the cylinder guard face only. The intumescent protection on the face of the lock case shall not be reduced/removed.

Where the GMS cylinder guard is fitted in MM/IMM doors of up to 240 minutes, the 64 mm diameter hole may be incorporated through the entire thickness of the door leaf. Where the door incorporates a flammable core, e.g. paper honeycomb the hole shall be isolated from the core to prevent potential flaming through the cylinder guard hole.

16. Timber doorsets shall be installed in accordance with BS 8214.
17. All door hardware is subject to the acceptance by the chosen door assembly supplier's tested, assessed or certificated scope, which generally identifies the types of hardware approved, the required specification/design based on the key materials/ maximum size (e.g. forend, case, strikeplate, etc.), and the application of any additional intumescent protection.

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On this basis approval should be sought from the specific door assembly supplier to ensure compliance based on this assessed/certificated scope.

18. 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.
19. The following table shows the acceptable doorset types and fire resistance periods:

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

Key:

✓ - Approved

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- ✗ - Not approved
- ✓* - Excludes Breakdome over thumbturn

20. Doors are categorised as the following types:

Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

Code ITM - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in steel frames.

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.

21. Approved lock/latch models and classifications.

Classification to EN 179 – Lever handle									
3	7	6	B	1	4	5	2	A	B/D

Classification to EN 179 – Push pad									
3	7	6	B	1	4	5	2	A	B

Classification to EN 1125 – Cross bar									
3	7	6	B	1	4	2	1	A	B

Scope of Approval

- 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:

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width	40 mm
height	135 mm
thickness	2.5 mm
Latchbolt- lip height	N/A

- Escape function locks
 - When fitted to comply with the requirements for their escape function in accordance with EN 179: 2008 and EN1125: 2008, the locks only approved when fitted in conjunction with the following approved operating hardware:
 - None (XXXX)
 - Key and lever Outside Access Device (KMLS)
 - Electronic unlocking (solenoid) and lever inside exit operation (AMLS)
 - Emergency lever handle (LMLS)
 - Emergency lever handle (LMLE)
 - Cylinder guard (GMS)
 - Breakdome over thumbturn
- Panic function locks
 - When fitted to comply with the requirements for their escape function in accordance with EN 179: 2008 and EN1125: 2008, the locks only approved when fitted in conjunction with the following approved operating hardware:
 - None (XXXX)
 - Key and lever Outside Access Device (KMLS)
 - Electronic unlocking (solenoid) and lever inside exit operation (AMLS)
 - Panic bar (LMPB)
 - Panic bar (LMPE)
 - Cylinder guard (GMS)
- GMS cylinder guard
 - Where the GMS cylinder guard is fitted in ITT 30 or 60 doors, a 64 mm diameter recess is required through the face of the door on the cylinder guard face only. The intumescent protection on the face of the lock case shall not be reduced/removed.
 - Where the GMS cylinder guard is fitted in MM/IMM doors of up to 240 minutes, the 64 mm diameter hole may be incorporated through the entire thickness of the door leaf. Where the door incorporates a flammable core, e.g. paper honeycomb the hole shall be isolated from the core to prevent potential flaming through the cylinder guard hole.

Further Information

Further information regarding the details contained in this data sheet may be obtained Surelock McGill Ltd (Tel: 0118 977 2525).

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

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