



CERTIFICATE OF APPROVAL

No CF 10217

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

Tindall Engineering

Unit 6-8, Laurel Trading Estate,
Higginshaw Lane,
Royton, Oldham,
OL2 6LH
United Kingdom
Tel: 0161 620 0666

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

MICO MODULA 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: 29th May 2025
Audit Test Frequency: Annually
Valid to: 28th May 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
<i>Panic escape</i>	
<i>MICO MODULA PE1</i>	Mortise lock with Push Pad (Aluminium)
<i>MICO MODULA PE2</i>	Mortise lock with Push Plate (Aluminium)
<i>MICO MODULA PE3</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA PE4</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA PE6</i>	Mortise lock with Cross Bar (Stainless-Steel)
<i>MICO MODULA PE8</i>	Mortise lock with Push Pad (Stainless-Steel)
<i>Automatic deadlocking</i>	
<i>MICO MODULA AD1 SATE</i>	Mortise lock with Push Pad (Aluminium)
<i>MICO MODULA AD2 SATE</i>	Mortise lock with Push Plate (Aluminium)
<i>MICO MODULA AD3 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA AD4 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA AD6 SATE</i>	Mortise lock with Cross Bar (Stainless-Steel)
<i>MICO MODULA AD8 SATE</i>	Mortise lock with Push Pad (Stainless-Steel)
<i>Manual deadlocking</i>	
<i>MICO MODULA MD1 SATE</i>	Mortise lock with Push Pad (Aluminium)
<i>MICO MODULA MD2 SATE</i>	Mortise lock with Push Plate (Aluminium)
<i>MICO MODULA MD3 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA MD4 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA MD6 SATE</i>	Mortise lock with Cross Bar (Stainless-Steel)
<i>MICO MODULA MD8 SATE</i>	Mortise lock with Push Pad (Stainless-Steel)
<i>Electromechanical for use with access control systems</i>	
<i>MICO MODULA EM1 SATE</i>	Mortise lock with Push Pad (Aluminium)
<i>MICO MODULA EM2 SATE</i>	Mortise lock with Push Plate (Aluminium)
<i>MICO MODULA EM3 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA EM4 SATE</i>	Mortise lock with Lever Handle (Stainless-Steel)
<i>MICO MODULA EM6 SATE</i>	Mortise lock with Cross Bar (Stainless-Steel)
<i>MICO MODULA EM8 SATE</i>	Mortise lock with Push Pad (Stainless-Steel)

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The MICO MODULA is provided with 235 mm high x 24 mm wide x 3 mm thick forends and 104 mm x 165 mm x 19 mm case; the forend, case, strikeplate and bolts are of steel, and the bolt has a 25 mm throw. The strikeplates are 144 mm high x 24 mm/32 mm/38 mm wide x 2 mm thick with integral 75 mm high x 23 mm wide x 29 mm deep steel backbox.

3. 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.**

4. 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

5. 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.

6. 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.

7. 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:

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- 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.

8. 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 graphite-based intumescent sheet material, both sides of the lock case and behind the strike plate (to the face plate and all faces of the backbox).
- The required protection for 60 minute ITT applications will be 1 mm thickness of graphite-based intumescent sheet material, both sides of the lock case and behind the strike plate (to the back of the face plate and all faces of the backbox). Additionally for ITT60 applications only, the door perimeter intumescent fire seals within the frame rebate or leaf edge shall by-pass the strikeplate by 5 mm at the opening side and 9 mm at the closing side (except at the latchbolt lip).
- The graphite intumescent shall be that tested and supplied by Tindall Engineering.

Note: Failure to install the protection will invalidate this certificate

9. 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.
10. The locks/latches should not be fitted higher than 1350 mm from the spindle to the finished floor level of the surrounding floors.

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11. Recessing for locks and strikeplates shall result in a tight fit, allowing for any intumescent protection where required.
12. 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.
13. 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.
14. The mortice locks may incorporate Europrofile 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)

15. Timber doorsets shall be installed in accordance with BS 8214.
16. 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.

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

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

	Approved Door Type			
Class	IMM	MM	ITT	ITM
BS476-22				
FD20	✓	✓	✓	✗
FD30	✓	✓	✓	✗
FD60	✓*	✓*	✓	✗
FD90	✓*	✓*	✗	✗
FD120	✓*	✓*	✗	✗
FD240	✓*	✓*	✗	✗
EN1634-1				
Integrity	IMM	MM	ITT	ITM
20	✓	✓	✓	✗
30	✓	✓	✓	✗
60	✓*	✓*	✓	✗
90	✓*	✓*	✗	✗
120	✓*	✓*	✗	✗
240	✓*	✓*	✗	✗
Integrity/insulation	IMM	MM	ITT	ITM
20	✓	✓	✓	✗
30	✓	✓	✓	✗
60	✓*	✓*	✓	✗
90	✓*	✓*	✗	✗
120	✓*	✓*	✗	✗
240	✓*	✓*	✗	✗

Key:

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

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19. 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.

20. Approved lock/latch models and classifications.

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

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

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

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.
- For MM/IMM predominantly steel-based doorsets; where the door incorporates a flammable core, e.g. paper honeycomb, any hole through the face/edge of the door leaf shall be isolated from the core to prevent potential flaming.

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- Strikeplates/keeps:

width	x 24 mm/32 mm/38 mm
height	144 mm
thickness	2 mm
Latchbolt- lip height	76 mm
Steel backbox	75 mm high x 23 mm wide x 29 mm deep

- Approved accessories

- When fitted to comply with the requirements for their escape function in accordance with EN 179: 2008, the locks only approved when fitted in conjunction with the following approved operating hardware:

- MICO MODULA Aluminium push pad
- MICO MODULA Steel push pad
- MICO MD Emergency stainless steel lever handle
- MICO HD Emergency stainless steel lever handle
- MICO Cranked HD Emergency stainless steel lever handle
- Key and lever Outside Access Device
- PSCH Cylinder guard with Europrofile cylinder
- ASCH Cylinder guard with Europrofile cylinder
- Breakdome over thumbturn*

* *Restricted to 30 minutes for MM/IMM doorsets.*

- When fitted to comply with the requirements for their escape function in accordance with EN1125: 2008, the locks only approved when fitted in conjunction with the following approved operating hardware:

- MICO MODULA Aluminium push plate
- MICO MODULA Steel push bar
- MICO MD Emergency stainless steel lever handle
- MICO HD Emergency stainless steel lever handle
- MICO Cranked HD Emergency stainless steel lever handle
- Key and lever Outside Access Device
- PSCH Cylinder guard with Europrofile cylinder
- ASCH Cylinder guard with Europrofile cylinder
- Breakdome over thumbturn*

* *Restricted to 30 minutes for MM/IMM doorsets.*

Further Information

Further information regarding the details contained in this data sheet may be obtained Tindall Engineering (Tel: 0161 620 0666).

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

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