
CERTIFICATE OF APPROVAL

No CF 5426

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

ASSA ABLOY SICHERHEITSTECHNIK GMBH

Bildstockstr. 20, 72458 Albstadt
Tel: +49 7431/1230

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
'OneSystem' Standard
Commercial Range of Mortice
Locks and Latches

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

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



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Valid to: 9th June 2021

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ASSA ABLOY Sicherheitstechnik GmbH - 'OneSystem' Mortice Locks and Latches

1. The locks and latches covered by this certificate are all steel cased. This approval relates to locks and latches detailed later in this report.
2. This certificate is designed specifically to demonstrate compliance of the product or system with Approved Document B (England and Wales); the Technical Handbooks (Scotland); Technical Booklet E (N. Ireland). If compliance is required with other regulatory or guidance documents there may be additional considerations or conflicts to be taken into account.
3. This approval relates to the use of the above locks/latches in contributing to the fire resistance performance of timber based doorsets and metallic based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.
4. 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 up to 30 minutes (Code ITT).

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 up to 60 minutes (Code ITT) – N1050, N1055 and N1056 wide stile locks only.

Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).

5. 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 to ISO 9001.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with TS23 requirements

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6. The mortice locks and/or latches should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987), 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/m³ (30 minutes), 640 kg/m³ (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/m³.

Steel-based assemblies

- i) Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.
- ii) No additional intumescent protection is required.

7. When fitted to insulated timber or mineral composite door assemblies, The required protection will be as follows:

- i) The required protection for 30 minute ITT applications will be 1 mm thick 'Interdens' intumescent sheet material around the lock case and behind the forend and strike plate.
- ii) The required protection for 60 minute ITT applications will be 2 mm thick 'Interdens' intumescent sheet material around the lock case and behind the forend and strike plate. Additionally the perimeter intumescent within the frame/door edge shall by-pass the strike plate or forend by a minimum of 7.5 mm wide on each side (with the exception of the latchbolt lead where present).

Failure to install the protection will invalidate this certificate

8. The mortice locks and/or latches 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.

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9. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
10. The locks/latches should not be fitted higher than 1600 mm from the spindle to the finished floor level of the surrounding floors.
11. The locks incorporate either 20 mm wide or 24 mm wide forends and strikeplates, additionally the strikeplates may be provided with or without the latchbolt lead.
12. Followers of either 8 mm or 9 mm are permissible
13. 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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14. The following table shows the acceptable doorset types and fire resistance periods:

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
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



- Not approved

*Excludes N1550, N1555 and N1556 narrow stile locks

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15. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type TT - 20 minute doorsets that consist of non-metallic leaves in timber frames that do not contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non metallic faced and edged leaves hung in metal frames.

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

16. Approved lock/latch models and classifications.

Lock/Latch Reference	Description	Classification to EN 12209: 2003											
N1050	Wide stile euro profile sashlock (55, 60, 65, 70, 80 & 100 mm backset)	3	S	9	1	0	C	2	H	A	2	0	
N1055	Wide stile euro profile Latch (55, 60, 65, 70, 80 & 100 mm backset)	3	S	9	1	0	C	2	H	A	0	0	
N1056	Wide stile euro profile deadlock (55, 60, 65, 70, 80 & 100 mm backset)	3	S	9	1	0	C	-	H	0	2	0	
N1550	Narrow stile euro profile sashlock (25, 30, 35, 40 & 45mm backset)	3	S	9	1	0	C	2	H	A	2	0	
N1555	Narrow stile euro profile Latch (25, 30, 35, 40 & 45mm backset)	3	S	9	1	0	C	2	H	A	0	0	
N1556	Narrow stile euro profile deadlock (25, 30, 35, 40 & 45mm backset)	3	S	9	1	0	C	-	H	0	2	0	

Further Information

Further information regarding the details contained in this certificate may be obtained from ASSA ABLOY Sicherheitstechnik GmbH (Tel: + 49 7431 1230).

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

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Issued: 10th June 2016
Valid to: 9th June 2021