
CERTIFICATE OF APPROVAL

No CF 5505

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

CONSORT ARCHITECTURAL HADWARE LTD

29-31 Lower Loveday Street, Birmingham,
B19 3SB, United Kingdom
Tel: 0121 359 8189

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

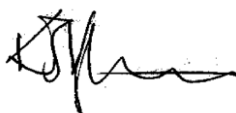
CERTIFIED PRODUCT

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



Issued: 10th March 2017
Revised: 25th May 2017
Valid to: 9th March 2022

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Consort Mortice Locks and Latches

1. The locks and latches covered by this certificate are all steel cased. The approval applies to the following configurations:

Reference	Description	Backset
CH7250F	Euro Sashlock 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 75 mm
CH7251F	Euro Latch 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 75 mm
CH7252F	Euro Deadlock 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 75 mm
CH7253F	Euro Bathroom Lock 78 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 75 mm
CF7250.60F	Euro Sashlock 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 65 mm
CH7251.60F	Euro Latch 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 65 mm
CH7252.60F	Euro Deadlock 72 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 65 mm
CH7253.60F	Euro Bathroom Lock 78 mm centres	45 mm, 50 mm, 55 mm, 60 mm and 65 mm
CH8540F	Euro Sashlock 85 mm centres	45 mm and 65 mm
CF8541F	Euro Latch 85 mm centres	45 mm and 65 mm
CH8542F	Euro Deadlock 85 mm centres	65 mm

The range CH725 range is available with either 20 mm wide or 24 mm wide forends, and the CH854 range with either 22 mm or 24 mm forends. Both variants are available with either square or radiused forends. The strikeplates may be provided with or without the latchbolt lip to a maximums height of 170 mm for all but the ITT 90 and 120 doorsets (see section 8).

2. 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 120 minutes (Code ITT).

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).

3. 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.
4. 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.

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5. The locks are approved on the basis of:
- Initial type testing to EN 1634-1 and EN 12209
 - An appraisal against TS23
 - Certification of quality management system to ISO 9001.
 - Inspection and surveillance of factory production control
 - On-going audit testing in accordance with TS23 requirements
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 (Code ITT30 and ITT60):
- Door frame density - 450 kg/m³ (30 minutes), 640 kg/m³ (60 minutes)
 - Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications.
 - Lipping density - 640 kg/m³.
- Steel-based assemblies (Code MM/IMM)
- Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.
 - No additional intumescent protection is required.
7. When fitted to insulated ITT 30 or ITT60 timber or mineral composite door assemblies, The required protection will be as follows:
- The required protection for 30 minute ITT applications will be 0.8 mm thickness of sheet graphite material, referenced IPK/LOCK.60, around the lock case and behind the forend and strike plate.
 - The required protection for 60 minute ITT applications will be 0.8 mm thickness of sheet graphite material, referenced IPK/LOCK.60, around the lock case and behind the forend and strike plate. Additionally the perimeter intumescent fire seal 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 lip where present).

Note: Failure to install the protection will invalidate this certificate

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8. Timber/mineral-based assemblies (Code ITT 90 and ITT120)

Consort locks and latches shall only be fitted in 90 and 120 minute doorsets which have previously been tested with locks/latches of a similar size and specification, subject to the following requirements:

- i. The required intumescent protection shall be as tested by the chosen door manufacturer. in all cases this shall be a minimum of a 2 mm thick graphite or 'Interdens' intumescent sheet material incorporated around the lock case and a bedding of the same type and thickness of graphite/Interdens material behind the forend and strike plate/keep, however, this protection shall be increased as required based on the chosen doorset manufacturers test data.
- ii. Where chosen doorsets are approved in latched configurations only, the chosen doorset shall have been tested with a minimum latchbolt of 12 mm and a maximum latch bolt throw of 13 mm.
- iii. Where cylinders are required the chosen doorset shall have been successfully tested with single or double cylinders as required.
- iv. The chosen doorset shall have been successfully tested with a lock/latch of the following minimum size:

Component/dimension	Size (mm)
<i>Basic lockcase</i>	
Forend width	22
Forend Height	225
Forend thickness	3
Case height	155
Case width	75
Case thickness	18
<i>Sashlock/bathroom strike plate</i>	
Strike plate width	22 (exc. Lip)
Strike plate height	168
Strike plate thickness	1.3
Strike plate lip height	56
<i>Latch strike plate</i>	
Strike plate width	22 (exc. Lip)
Strike plate height	168
Strike plate thickness	1.3
Strike plate lip height	56
<i>Deadlock keep</i>	
Strike plate width	22
Strike plate height	86
Strike plate thickness	1.3

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9. 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.
10. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
11. The locks/latches should not be fitted higher than 1100 mm from the spindle to the finished floor level of the surrounding floors.
12. Timber doorsets shall be installed in accordance with BS 8214.
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	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

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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 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											
CH7250F	Euro Sashlock 72 mm centres	3	X	8	1	0	G	3	B	C	2	0	
CH7251F	Euro Latch 72 mm centres	3	X	8	1	0	G	-	B	0	2	0	
CH7252F	Euro Deadlock 72 mm centres	3	X	8	1	0	G	3	B	C	0	0	
CH7253F	Euro Bathroom Lock 78 mm centres	3	X	8	1	0	G	-	B	G	2	0	
CF7250.60F	Euro Sashlock 72 mm centres	3	X	8	1	0	G	3	B	C	2	0	
CH7251.60F	Euro Latch 72 mm centres	3	X	8	1	0	G	-	B	0	2	0	
CH7252.60F	Euro Deadlock 72 mm centres	3	X	8	1	0	G	3	B	C	0	0	
CH7253.60F	Euro Bathroom Lock 78 mm centres	3	X	8	1	0	G	-	B	G	2	0	
CH8540F	Euro Sashlock 85 mm centres	3	X	8	1	0	G	3	B	C	2	0	
CF8541F	Euro Latch 85 mm centres	3	X	8	1	0	G	-	B	0	2	0	
CH8542F	Euro Deadlock 85 mm centres	3	X	8	1	0	G	3	B	C	0	0	



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Further Information

Further information regarding the details contained in this certificate may be obtained from Consort Architectural Hardware Ltd (Tel: 0121 359 8189).

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

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J/076

Two handwritten signatures in black ink, one appearing to be "J/076" and the other a cursive signature.

Issued: 10th March 2017
Revised: 25th March 2017
Valid to: 9th March 2022