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CERTIFICATE OF APPROVAL
No CF 741

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

ALLEGION (UK) LIMITED

35 Rocky Lane, Birmingham, West Midlands
B6 5RQ United Kingdom
Tel: 0121 380 2400

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	TECHNICAL SCHEDULE
Briton 5400 and 5700 Series of Locks and Latches	**TS23 The Contribution of Locks and Latches to the Performance of Fire Resisting of Doorsets** **TS31 The Contribution Of Emergency Exit Devices, Operated By A Lever Handle Or Push Pad, To The Performance Of Fire Resisting Door Assemblies**

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

Paul Duggan
Certification Manager

Issued: 4th February 2010
Revised: 18th December 2025
Valid to: 15th December 2030

warringtonfire certifire CERTIFICATION

certifire UKAS PRODUCT CERTIFICATION 0087

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1. This certification is provided to the client for their 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. This approval applies only to the Briton 5400 and 5700 Series of Locks and Latches as detailed below:

5400 Series		5700 Series	
Reference	***Description***	***Reference***	***Description***
5410.55	Cylinder Deadlock	**5710.60**	Cylinder Deadlock
5420.55	Cylinder Sashlock	**5720.60**	Cylinder Sashlock
5430.55	Bathroom Lock	**5730.60**	Bathroom Lock
5440.55	Latch	**5740.60**	Latch
5470.55	Roller Latch	**5750.60**	Nightlatch
5410.60	Cylinder Deadlock	**5760.60**	Escape Sashlock
5420.60	Cylinder Sashlock		
5430.60	Bathroom Lock		
5440.60	Latch		
5470.60	Roller Latch		

The mortice locks have a 235 mm high x 20 mm wide forend, which is available square or radiused, the latch/deadbolt, case, forend and strikeplates are all of steel, with a latchbolt projection of 12 mm. The maximum size strikeplate in the range is 185 mm high x 41.5 mm wide, including a 150 x 16.5 mm latchbolt lip.

Round (R) or square (S) forends, and satin stainless steel (SS), polished stainless steel (PS) or plated brass (PB) finishes are acceptable.

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

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

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

5. The locks are approved on the basis of:

   i) Initial type testing to EN 1634-1 and EN 12209 or EN179
   ii) An appraisal against TS23 and TS31
   iii) Certification of quality management system.
   iv) Inspection and surveillance of factory production control
   v) On-going audit testing in accordance with TS23 and TS31 requirements

6. The mortice locks and/or latches 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:

   Timber-based assemblies (Code ITT30 and ITT60):

   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 (Code MM/IMM)

   i) Door leaves shall have a minimum thickness of 45 mm for up to 120 minutes or 240 minute applications as required (No additional intumescent protection is required).

8. When fitted to insulated ITT 30 or ITT60 timber-based door assemblies, The required protection will be as follows:

   i) The required protection for 30 minute ITT applications will be 1 mm thickness of Interdens mono ammonium phosphate sheet material around the lock case and behind the forend and strike plate.
   ii) The required protection for 60 minute ITT applications will be 1 mm thickness of Interdens mono ammonium phosphate sheet material around the lock case and behind the forend and strike plate.
   iii) Additionally for 60 minute ITT applications only the perimeter intumescent within the frame/door edge shall by-pass the strike plate or forend by a minimum of 7 mm wide on each side (with the exception of the latchbolt lead where present).

   Note: Failure to install the intumescent protection will invalidate this certificate

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

Allegion 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 mono ammonium phosphate sheet material incorporated around the lock case and a bedding of the same type and thickness of intumescent sheet 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 11 mm and a maximum latch bolt throw of 12.5 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)
Basic lockcase	
Forend width	20
Forend Height	235
Forend thickness	3
Case height	155
Case width	74
Case thickness	15
Sashlock/bathroom strike plate	
Strike plate width	25 (exc. Lip)
Strike plate height	185
Strike plate thickness	1.5
Strike plate lip height	150
Latch strike plate	
Strike plate width	25 (exc. Lip)
Strike plate height	145
Strike plate thickness	1.5
Strike plate lip height	70
Deadlock keep	
Strike plate width	25
Strike plate height	145
Strike plate thickness	1.5

Note: Failure to install the intumescent protection will invalidate this certificate

10. The 5410.55, 5410.60 and 5710.60 deadlocks do not incorporate a latching mechanism, and the 5470.55 and 5470.60 roller latches do not provide sufficient restraint, therefore these locks shall only be fitted to proven unlatched doorset assemblies (all door assembly types and fire ratings) fitted with appropriate door closers, or for deadlocks, door assemblies that are permanently locked.

11. The locks and latches may incorporate a polyethylene plastic dust box to the rear of the strikeplates on 30 minute and 60 minute ITT timber-based door assemblies only. The intumescent protection as identified in section 8 shall be maintained.

12. 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.

13. The mortice locks may incorporate Euro profile cylinders manufactured of brass or steel, as follows:
    - i) Single cylinder
    - ii) Double cylinder
    - iii) Cylinder and thumbturn
    - iv) Oval and round cylinders are not permitted.

    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)

14. 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.

15. 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.

16. The locks/latches should not be fitted higher than 1100 mm from the spindle to the finished floor level of the surrounding floors.

17. Recessing for locks and strikeplates shall result in a tight fit, allowing for any intumescent protection where required.

18. ITT 30 and 60 minute doorsets shall be installed in accordance with BS 8214.

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19. 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.

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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21. 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 only	**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

22. 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.

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
  - The locks/latches are approved with a range of strikeplates/keeps. All of which are steel, and the maximum size permitted for use on all doorsets is as follows:

width	25 mm (exc. Lip)
height	185 mm
thickness	1.5 mm
Latchbolt- lip height	150 mm

- The locks and latches may incorporate a polyethylene plastic dust box to the rear of the strikeplates on 30 minute and 60 minute ITT timber-based door assemblies only. The intumescent protection as identified in section 7 shall be maintained.
- Plastic dust boxes shall not be fitted to ITT 90/120 minute timber/mineral-based doorsets and all steel doorsets.

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Scope of Approval Cont'd:

- Escape function locks:
  - The 5760.60 when fitted to comply with the requirements for their escape function in accordance with EN 179: 2008, are only approved when fitted in conjunction with the following approved lever handle set:
    - 4701.22.140 lever
    - 4701.20.140 lever
    - 4201.19
    - 4702BP.B.22.140
    - 4702BP.EC.B.22.140

Classification codes:

The approved lock/latch models and classifications are as follows.

Lock/Latch Reference	Description	Classification to EN 12209										
5410.55	Cylinder Deadlock	3	X	8	1	0	G	2	B	C	0	0
5420.55	Cylinder Sashlock	3	X	8	1	0	G	2	B	C	2	0
5430.55	Bathroom Lock	3	X	8	1	0	G	-	B	0	2	0
5440.55	Latch	3	X	8	1	0	G	-	B	0	2	0
5470.55	Roller Latch	NPD	C	8	1	0	G	-	B	0	0	0
5410.60	Cylinder Deadlock	3	X	8	1	0	G	2	B	C	0	0
5420.60	Cylinder Sashlock	3	X	8	1	0	G	2	B	C	2	0
5430.60	Bathroom Lock	3	X	8	1	0	G	-	B	0	2	0
5440.60	Latch	3	X	8	1	0	G	-	B	0	2	0
5470.60	Roller Latch	NPD	C	8	1	0	G	-	B	0	0	0
5710.60	Cylinder Deadlock	3	X	8	1	0	G	4	H	A	0	0
5720.60	Cylinder Sashlock	3	X	8	1	0	G	4	H	A	2	0
5730.60	Bathroom Lock	3	X	8	1	0	G	-	H	G	2	0
5740.60	Latch	3	X	8	1	0	G	-	H	0	2	0
5750.60	Nightlatch	3	X	8	1	0	G	-	H	0	2	0
5760.60	Escape Sashlock	3	X	8	1	0	G	4	H	A	2	0

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Classification codes - Continued:

Lock/Latch Reference	Description	Classification to EN 179									
5760.60	Escape Sashlock	3	7	6	B	1	4	4	2	A	B/D

Further Information

Further information regarding the details contained in this certificate may be obtained from Allegion (UK) Limited (Tel: 0121 380 2400).

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