



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
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

**Briton 5400 Contract and
5500 Commercial Series
of Locks and Latches**

TECHNICAL SCHEDULE

**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: 16th June 2020
Valid to: 15th June 2025



CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

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 5500 Series of locks and latches as detailed below:

5400 Series		5500 Series	
Reference	Description	Reference	Description
5410.55	Cylinder Deadlock	5510.60	Cylinder Deadlock
5420.55	Cylinder Sashlock	5520.60	Cylinder Sashlock
5430.55	Bathroom Lock	5530.60	Bathroom Lock
5440.55	Latch	5535.60	Bathroom Deadlock
5470.55	Roller Latch	5540.60	Latch
5410.60	Cylinder Deadlock	5555.60	Nightlatch
5420.60	Cylinder Sashlock	5560.60	Escape Sashlock
5430.60	Bathroom Lock		
5440.60	Latch		
5470.60	Roller Latch		

All variations including round (R) or square (S) forends and satin stainless steel (SS), polished stainless steel (PS) or plated brass (PB) finishes are acceptable. All locks and latches incorporate steel latchbolts and or deadbolts.

3. 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 120 minutes for the 5500 Series and 240 minutes for the 5400 Series (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 metallic based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.

CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

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 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 shall be followed:
- 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.
5Lipping 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).
7. When fitted to insulated ITT 30 or ITT60 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 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. Additionally for ITT60 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

CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

8. 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)
<i>Basic lockcase</i>	
Forend width	20
Forend Height	235
Forend thickness	3
Case height	155
Case width	74
Case thickness	15
<i>Sashlock/bathroom strike plate</i>	
Strike plate width	25 (exc. Lip)
Strike plate height	185
Strike plate thickness	1.5
Strike plate lip height	150
<i>Latch strike plate</i>	
Strike plate width	25 (exc. Lip)
Strike plate height	145
Strike plate thickness	1.5
Strike plate lip height	70
<i>Deadlock keep</i>	
Strike plate width	25
Strike plate height	145
Strike plate thickness	1.5

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

Page 4 of 9 Signed
J/138 - F/017



Issued: 4th February 2010
Revised: 16th June 2020
Valid to: 15th June 2025

CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

9. The 5410.55, 5410.60 and 5510.60 deadlocks, and 5535.60 bathroom deadlock 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.
10. The 5400 and 5500 series of locks and latches may incorporate a polyethylene plastic dust box to the rear of the strikeplates on 30 minute and 60 minute ITT timber/mineral-based door assemblies only. The intumescent protection as identified in section 7 shall be maintained.
11. 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
- 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)*
12. 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.
13. The locks/latches should not be fitted higher than 1100 mm from the spindle to the finished floor level of the surrounding floors.
14. Recessing for locks and strikeplates shall result in a tight fit, allowing for any intumescent protection where required.
15. Timber doorsets shall be installed in accordance with BS 8214.
16. 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.



CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

17. 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
- ✓* - 5400 Series only

CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

18. 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.

Scope of Approval :

- The locks may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Strikeplates/keeps
 - The locks/latches are approved with a range of strikeplates/keeps. All of which are steel and the a 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 5400 and 5500 series of locks and latches may incorporate a polyethylene plastic dust box to the rear of the strikeplates on 30 minute and 60 minute ITT timber/mineral-based door assemblies only. The intumescent protection as identified in section 7 shall be maintained



CERTIFICATE No CF 741 ALLEGION (UK) LIMITED

Briton 5400 and 5500 Series of Locks and Latches

Scope of Approval Cont'd:

- Escape function locks
 - The 5560.60 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:
 - Briton 4620.22.B.72 lever
 - Normbau 0433 37 and 0433 33 lever
 - Randi 1020.985H, 1030.085H and 1030.985H

19. Approved lock/latch models and classifications:

Lock/Latch Reference	Description	Classification to EN 12209										
		3	X	8	1	0	G	2	B	C	0	0
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
5510.60	Cylinder Deadlock	3	X	8	1	0	G	4	H	A	0	0
5520.60	Cylinder Sashlock	3	X	8	1	0	G	4	H	A	2	0
5530.60	Bathroom Lock	3	X	8	1	0	G	-	H	G	2	0
5535.60	Bathroom Deadlock	3	X	8	1	0	G	-	H	G	0	0
5540.60	Latch	3	X	8	1	0	G	-	H	0	2	0
5555.60	Nightlatch	3	X	8	1	0	G	-	H	A	2	0
5560.60	Escape Sashlock	3	X	8	1	0	G	4	H	A	2	0
Lock/Latch Reference	Description	Classification to EN 179										
5560.60	Escape Sashlock	3	7	6	B	1	4	4	1	A	B/D	



**CERTIFICATE No CF 741
ALLEGION (UK) LIMITED**

Briton 5400 and 5500 Series of Locks and Latches

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).

Page 9 of 9 Signed
J/138 - F/017

Issued: 4th February 2010
Revised: 16th June 2020
Valid to: 15th June 2025