



CERTIFICATE OF APPROVAL

No CF 5610

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

CARLISLE BRASS LIMITED

Parkhouse Road, Carlisle, Cumbria CA3 0JU, United Kingdom
Tel: 01228 511770

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

Carlisle Brass Residential 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 Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued:	10 th January 2018
Expired:	8 th January 2023
Reissued:	15 th November 2023
Valid to:	14 th November 2028

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

Reference	Description
BAE5025	Bathroom lock
BAE5030	Bathroom lock
EDE5025	Euro profile deadlock
EDE5030	Euro profile deadlock
ESE5025	Euro profile sashlock
ESE5030	Euro profile sashlock
LDE5325	3 lever deadlock
LDE5330	3 lever deadlock
LSE5225	2 lever sashlock
LSE5230	2 lever sashlock
LSE5325	3 lever sashlock
LSE5330	3 lever sashlock
ULE5025	Upright latch
ULE5030	Upright latch

All locks have a maximum 22 mm wide forend and a maximum 25 mm wide strikeplate (excluding the latchbolt lip) and are available with either a Euro profile cylinder or lever options. The latchbolt and deadbolt are brass, and the case, forend and strikeplates are all of steel, with a minimum latchbolt/deadbolt projection of 12 mm. The forends and strikeplates incorporate either square or radiused corners.

The full list of the lock/latch variants is identified in Annex A.

2. 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.
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 of up to 60 minutes (Code ITT).



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4. 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
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with TS23 requirements
5. The mortice locks and/or latches should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1:2014 + A1:2018 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, unless the chosen doorset has evidence to the contrary with lock/strikeplate 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.
6. When fitted to insulated ITT 30 or ITT60 timber or mineral composite door assemblies, The required protection will be as follows:
- a. The required protection for 30 minute ITT applications will be 0.8 mm thickness of graphite-based sheet material, around the lock case and behind the forend and strike plate, being the same as tested and supplied by Carlisle Brass Limited.
 - b. The required protection for 60 minute ITT applications will be 0.8 mm thickness of graphite-based sheet material around the lock case and behind the forend and strike plate, being the same as tested and supplied by Carlisle Brass Limited. Additionally the perimeter intumescent fire seal 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 lip where present).

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



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7. 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; and the required specification/design based on the key materials/ maximum size (e.g. lock 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.

8. Plastic dust boxes may be incorporated behind the strikeplates of for both 30 minute and 60 minute applications.
9. 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.
10. The mortice locks may incorporate Euro profile cylinders with a maximum length of 70 mm as follows:
- i) Single cylinder
 - ii) Double cylinder
 - iii) Cylinder and thumbturn
 - iv) Brass or steel cylinders for ITT30 and 60 doorsets

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)

11. 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.
12. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
13. The locks/latches shall 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.



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15. ITT30 and 60 doorsets shall be installed in accordance with BS 8214.
16. The approval relates to on-going production. Product and/or its immediate packaging are 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.
17. The following table shows the acceptable doorset types and fire resistance periods:

Class	Approved Door Type			
	IMM	MM	ITT	ITM
FD20	x	x	✓	x
FD30	x	x	✓	x
FD60	x	x	✓	x
FD90	x	x	x	x
FD120	x	x	x	x
FD240	x	x	x	x
E 20	x	x	✓	x
EI 20	x	x	✓	x
E 30	x	x	✓	x
EI 30	x	x	✓	x
E 60	x	x	✓	x
EI 60	x	x	✓	x
E 90	x	x	x	x
EI 90	x	x	x	x
E 120	x	x	x	x
EI 120	x	x	x	x
E 240	x	x	x	x
EI 240	x	x	x	x

Key:

- ✓ - approved
x - Not approved

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18. Doors are classified as the following types:

Code IMM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

Code MM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

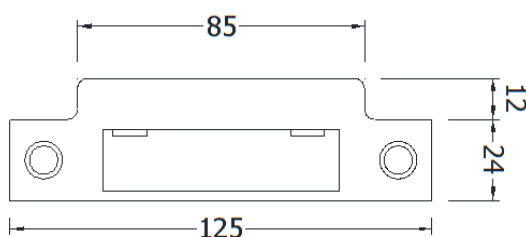
Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

Scope of Approval

- The locks may not be fitted to timber doorsets without perimeter intumescent fire seals.
- ITT door leaves shall have solid lignocellulosic construction in the lock area encompassing the entire lock case.
- The maximum dimension of strikeplate approved is as follows:

Width (excl. latchbolt lip)	24 mm
Height	125 mm
Thickness	1.5 mm
Latchbolt lip height	85 mm



- Plastic dust boxes may be incorporated behind the strikeplates of for both 30 minute and 60 minute applications.



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Classification codes:

ESE5025 & ESE5030 Sashlocks:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	1	B	A	2	0

EDE5030 & EDE5025 Deadlocks:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	1	B	A	0	0

LSE5325 & LSE5330 Sashlocks:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	1	K	D	2	A

LSE5225 & LSE5230 Sashlocks:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	1	K	D	2	A

ULE5030 & ULE 5025 Upright latches:

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	-	B	0	2	0

BAE 5025 & BAE 5030

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification
2	H	8	1	0	F	-	B	G	2	0

LDE 5325 & LDE 5330

Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Field of door application	Type of key operation & locking	Type of spindle operation	Key identification

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2	H	8	1	0	F	1	K	D	0	A
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Carlisle Brass Residential range of Mortice Locks and Latches

Further Information

Further information regarding the details contained in this certificate may be obtained from Carlisle Brass Ltd (Tel: 01228 511770).

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

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Annex A

CODE	DESCRIPTION	FACE PLATE FINISH	LATCH/BOLT FINISH
BAE5025EB	EASI-T BATHROOM LOCK 64mm RESIDENTIAL	brass	brass
BAE5025EB/R	EASI-T BATHROOM LOCK 64mm RESIDENTIAL - RADIUS	brass	brass
BAE5025NP	EASI-T BATHROOM LOCK 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
BAE5025NP/R	EASI-T BATHROOM LOCK 64mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel
BAE5025SN	EASI-T BATHROOM LOCK 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
BAE5025SN/R	EASI-T BATHROOM LOCK 64mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel
BAE5025MB	EASI-T BATHROOM LOCK (RESIDENTIAL) 64mm	black	brass
BAE5025AB	EASI-T BATHROOM LOCK (RESIDENTIAL) 64mm	bronze	brass
BAE5025SB	EASI-T BATHROOM LOCK (RESIDENTIAL) 64mm	Satin Brass	brass
BAE5030MB	EASI-T BATHROOM LOCK (RESIDENTIAL) 76mm	black	brass
BAE5030AB	EASI-T BATHROOM LOCK (RESIDENTIAL) 76mm	bronze	brass
BAE5030EB	EASI-T BATHROOM LOCK 76mm RESIDENTIAL	brass	brass
BAE5030EB/R	EASI-T BATHROOM LOCK 76mm RESIDENTIAL - RADIUS	brass	brass
BAE5030NP	EASI-T BATHROOM LOCK 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
BAE5030NP/R	EASI-T BATHROOM LOCK 76mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel
BAE5030SN	EASI-T BATHROOM LOCK 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
BAE5030SN/R	EASI-T BATHROOM LOCK 76mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel
BAE5030SB	EASI-T BATHROOM LOCK 76mm RESIDENTIAL - RADIUS (SATIN)	Satin Brass	brass

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EDE5025EB	EASI-T EURO CYLINDER DEADLOCK CASE 64mm RESIDENTIAL	brass	brass
EDE5025NP	EASI-T EURO CYLINDER DEADLOCK CASE 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
EDE5025SN	EASI-T EURO CYLINDER DEADLOCK CASE 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
EDE5030EB	EASI-T EURO CYLINDER DEADLOCK CASE 76mm RESIDENTIAL	brass	brass
EDE5030NP	EASI-T EURO CYLINDER DEADLOCK CASE 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel

Annex A - Continued

CODE	DESCRIPTION	FACE PLATE FINISH	LATCH/BOLT FINISH
EDE5030SN	EASI-T EURO CYLINDER DEADLOCK CASE 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel

ESE5025EB	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 64mm RESIDENTIAL	brass	brass
ESE5025NP	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
ESE5025SN	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
ESE5030EB	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 76mm RESIDENTIAL	brass	brass
ESE5030NP	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
ESE5030SN	EASI-T EASI-T EURO CYLINDER SASHLOCK CASE 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel



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LDE5325EB	EASI-T 3 LEVER DEADLOCK 64mm RESIDENTIAL	brass	brass
LDE5325NP	EASI-T 3 LEVER DEADLOCK 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
LDE5325SN	EASI-T 3 LEVER DEADLOCK 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
LDE5330EB	EASI-T 3 LEVER DEADLOCK 76mm RESIDENTIAL	brass	brass
LDE5330NP	EASI-T 3 LEVER DEADLOCK 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
LDE5330SN	EASI-T 3 LEVER DEADLOCK 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel

LSE5225MB	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 64mm	black	brass
LSE5225EB	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 64mm	brass	brass
LSE5225AB	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 64mm	bronze	brass
LSE5225NP	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 64mm	Polished Nickel	Nickel
LSE5225SN/R	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL RADIUS 64mm	Polished Nickel	Nickel
LSE5225NP/R	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL RADIUS 64mm	Satin Nickel	Nickel
LSE5325EB	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL	brass	brass
LSE5325EB/R	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL - RADIUS	brass	brass
LSE5325NP	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
LSE5325NP/R	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel



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Annex A - Continued

CODE	DESCRIPTION	FACE PLATE FINISH	LATCH/BOLT FINISH
LSE5325SN	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
LSE5325SN/R	EASI-T 3 LEVER SASHLOCK 64mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel
LSE5230EB	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 76mm	brass	brass
LSE5230AB	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 76mm	bronze	brass
LSE5230NP	EASI-T 2 LEVER SASHLOCK - RESIDENTIAL 76mm	Polished Nickel	Nickel
LSE5330EB	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL	brass	brass
LSE5330EB/R	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL - RADIUS	brass	brass
LSE5330NP	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
LSE5330NP/R	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel
LSE5330SN	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
LSE5330SN/R	EASI-T 3 LEVER SASHLOCK 76mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel
ULE5025NP	EASI-T UPRIGHT LATCH 64mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
ULE5025NP/R	EASI-T UPRIGHT LATCH 64mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel
ULE5030NP	EASI-T UPRIGHT LATCH 76mm RESIDENTIAL (POLISHED)	Polished Nickel	Nickel
ULE5030NP/R	EASI-T UPRIGHT LATCH 76mm RESIDENTIAL - RADIUS (POLISHED)	Polished Nickel	Nickel
ULE5025SN	EASI-T UPRIGHT LATCH 64mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
ULE5025SN/R	EASI-T UPRIGHT LATCH 64mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel
ULE5030SN	EASI-T UPRIGHT LATCH 76mm RESIDENTIAL (SATIN)	Satin Nickel	Nickel
ULE5030SN/R	EASI-T UPRIGHT LATCH 76mm RESIDENTIAL - RADIUS (SATIN)	Satin Nickel	Nickel