CERTIFICATE OF APPROVAL
No CF 5395

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

Häfele SE & Co KG

Adolf-Haefele-Str.1, D-72202 Nagold, Germany
Tel: + 49 7452 95 245

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
Haefele Mortice Locks and Latches	**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: 2nd March 2016
Reissued: 9th September 2026
Valid to: 8th September 2031

This certificate is the property of Warringtonfire Testing and Certification Limited
Registered in England and Wales
Registered Office: 3rd Floor, Davidson Building, 5 Southampton Street, London, WC2E 7HA. Company Registration No: 11371436

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1. The locks and latches covered by this certificate have a maximum 235 mm high x 20 mm or 24 mm wide forend and 15 mm thick case. The latch/deadbolt, case, forend and strikeplates are all of steel, with a minimum latchbolt projection of 12 mm. This approval relates to the following specific locks:

Item No.	*Description*
911.02.143	Mortice sashlock PC stst.sn.55/20,sq
911.02.145	Mortice sashlock PC stst.sn.55/24,sq
911.02.151	Mortice sashlock PC stst.sn.55/20,rd
911.02.153	Mortice sashlock PC stst.sn.55/24,rd
911.25.200	Mortice sashlock PC stst.gra.bla.55/24,rd
911.25.420	Mortice sashlock PC stst.gra.bla.55/20,sq
911.25.421	Mortice sashlock PC stst.gra.bla.55/20,rd
911.25.422	Mortice sashlock PC stst.gra.bla.55/24,sq
911.25.444	Mortice sashlock PC stst.bp.55/S20
911.25.446	Mortice sashlock PC stst.bp.55/S24
911.25.452	Mortice sashlock PC stst.bp.55/R20
911.25.454	Mortice sashlock PC stst.bp.55/R24
911.02.464	Mortice sashlock PC stst.matt 60/24
911.02.468	Mortice sashlock PC stst.matt 60/24
911.02.480	Mortice sashlock PC stst.matt 65/24
911.02.484	Mortice sashlock PC stst.matt 65/24
911.02.165	Mortice sashlock PC stst.matt 45/24
911.02.161	Mortice sashlock PC stst.matt 60/24
911.25.039	Mortice sashlock PC stst.AB 55/R24
911.25.040	Mortice sashlock PC stst.SB 55/R24
911.02.147	Mortice bathroom lock WC stst.sn.55/20,sq
911.02.149	Mortice bathroom lock WC stst.sn.55/24,sq
911.02.155	Mortice bathroom lock WC stst.sn.55/20,rd
911.02.157	Mortice bathroom lock WC stst.sn.55/24,rd
911.25.204	Mortice bathroom lock PC stst.gra.bla.55/20,sq
911.25.430	Mortice bathroom lock WC stst.gra.bla.55/20,sq
911.25.431	Mortice bathroom lock WC stst.gra.bla.55/20,rd
911.25.432	Mortice bathroom lock WC stst.gra.bla.55/24,sq
911.25.448	Mortice bathroom lock WC stst.bp.55/S20
911.25.450	Mortice bathroom lock WC stst.bp.55/S24
911.25.456	Mortice bathroom lock WC stst.bp.55/R20
911.25.458	Mortice bathroom lock WC stst.bp.55/R24
911.25.041	Mortice bathroom lock WC AB.55/24.rd
911.25.042	Mortice bathroom lock WC SB.55/24.rd

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Item No.	*Description*
911.22.490	Mortice deadlock PC stst.ma.55/24
911.22.901	Mortice deadlock PC stst. ma 55/R24
911.22.929	Mortice deadlock PC stst. gra bla 55/R24
911.22.550	Mortice deadlock PC stst.ma.55/24
911.22.920	Mortice deadlock PC stst.ma.55/R24
911.22.921	Mortice deadlock PC stst. gra bla.55/R24
911.25.044	Mortice deadlock PC AB 55/R24
911.25.043	Mortice deadlock PC SB.55/R24
911.25.050	Mortice small deadlock PC stst. AB 55/R24
911.25.052	Mortice small deadlock PC stst. SB 55/R24
911.23.370	Mortice latch lock stst.mat.55/24
911.23.394	Mortice latch lock stst. mat 55/R24
911.23.931	Mortice latch lock stst. gra bla 55/R24
911.23.465	Mortice latch lock stst.mat.55/24
911.22.922	Mortice latch lock stst. mat 55/R24
911.22.923	Mortice latch lock stst. gra bla55/R24
911.22.924	Mortice latch lock stst. bp 55/R24
911.25.045	Mortice latch lock stst AB55/R24
911.25.047	Mortice latch lock stst.SB bla55/R24
911.25.051	Mortice small latch lock ab 55/R24
911.25.054	Mortice small latch lock stst. Ab 55/R24

2. 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.

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

Code ITT - 20 minute to 90 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 - 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.

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4. This approval relates to the use of the above locks/latches in contributing to the fire resistance performance of timber based or predominantly steel-based doorsets, as defined in BS EN 1634-1:2014+A1:2018 or BS 476: Part 22: 1987.

5. The mortice locks and/or latches should only be used with doorsets which have been previously shown to be capable of providing the required fire resistance performance when tested in accordance with EN 1634-1 or BS 476: Part 22: 1987 in the proposed configuration i.e. single-leaf or double-leaf.

6. The locks are approved on the basis of:

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

7. The mortice locks 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 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.

8. The following minimum specification shall be followed, unless the chosen doorset has evidence to the contrary with locks of a similar size/specification:

   Timber-based assemblies (Code ITT30 & 60):

   i) Door frame density – minimum 450 kg/m³ (30 minutes) and minimum 640 kg/m^3 (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 – minimum 640 kg/m^3.

   Timber-based assemblies (Code ITT90):

   i) Door frame density – minimum 640 kg/m^3 (60 minutes)
   ii) Door frame thickness – minimum 44 mm (excluding stop)
   iii) Door leaves shall have a minimum thickness of 64 mm.
   iv) Lipping density – minimum 640 kg/m^3.

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Steel-based assemblies (Code MM/IMM)

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 ITT30, ITT60 and ITT90 timber door assemblies, The required intumescent protection will be as follows:

i) 30 minute ITT applications will be 1 mm thick 'Interdens' intumescent sheet material around the lock case and 2mm of Interdens material behind the forend and strike plate.

ii) 60 minute ITT applications will be 1 mm thick 'Interdens' intumescent sheet material around the lock case and 2mm of Interdens material behind the forend and strike plate.

- 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 8 mm wide on each side (with the exception of the latchbolt lead where present).

iii) 90 minute ITT applications will be 2 mm thick 'Interdens' intumescent sheet material around the lock case, behind the forend and strike plate.

- Additionally, for 90 minute ITT applications only, the perimeter intumescent within the frame shall by-pass the strike plate by a minimum of 12 mm wide x 6 mm (with the exception of the latchbolt lead where present), positioned towards the opening. In addition a Palusol-based intumescent shall be incorporated in the lock edge of the door leaf and shall by-pass the lock forend by a minimum of 11 mm wide x 6 mm deep, positioned towards the closing face.

Note: Failure to install the protection will invalidate this certificate

8. A plastic back box may be incorporated behind the strikeplates for 30, 60 and 90 minute ITT applications only.

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 1100 mm from the finished floor level of the surrounding floors.

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11. 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.

12. The mortice locks may incorporate Euro profile cylinders as follows:

    i) Single cylinder
    ii) Double cylinder
    iii) Cylinder and thumbturn
    iv) Brass or steel cylinders for ITT30 and 60 doorsets
    v) Steel cylinders only for ITT90 and 120 and MM/IMM 240 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)

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

14. The spindle hole through the door shall be a maximum of 15 mm diameter unless the doorset has test evidence that proves spindle holes of a greater size than this.

15. ITT30 and 60 doorsets shall be installed in accordance with BS 8214.

16. 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. case, forend, strikeplate, latchbolt projection, 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.

17. 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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18. The following table shows the acceptable doorset types and fire resistance periods:

	Approved Door Type			
Class	**IMM**	**MM**	**ITT**	**ITM**
BS 476-22				
FD20	✓	✓	✓	×
FD30	✓	✓	✓	×
FD60	✓	✓	✓	×
FD90	✓	✓	✓	×
FD120	✓	✓	×	×
FD240	✓	✓	×	×
EN 1634-1				
Integrity	**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

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19. 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 30 and 60 door leaves shall have solid lignocellulosic construction in the lock area encompassing the entire lock case.
- Strikeplates/keeps - The Unity range of 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	24 mm (40 mm including latchbolt lip)
height	170 mm
thickness	1.5 mm
Latchbolt lip height	66 mm

- Plastic back box may be incorporated behind the strikeplates for 30, 60 and 90 minute ITT applications only providing the intumescent protection identified above is maintained.

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Approved lock/latch models and EN12209 classifications:

Type	Item No.	Classification	Type	Item No.	Classification
Sashlock	911.02.143	3X810G3BC20	Bathroom lock	911.02.147	3X810G0BG20
	911.02.145	3X810G3BC20		911.02.149	3X810G0BG20
	911.02.151	3X810G3BC20		911.02.155	3X810G0BG20
	911.02.153	3X810G3BC20		911.02.157	3X810G0BG20
	911.25.200	3X810G3BC20		911.25.204	3X810G0BG20
	911.25.420	3X810G3BC20		911.25.430	3X810G0BG20
	911.25.421	3X810G3BC20		911.25.431	3X810G0BG20
	911.25.422	3X810G3BC20		911.25.432	3X810G0BG20
	911.25.444	3X810G3BC20		911.25.448	3X810G0BG20
	911.25.446	3X810G3BC20		911.25.450	3X810G0BG20
	911.25.452	3X810G3BC20		911.25.456	3X810G0BG20
	911.25.454	3X810G3BC20		911.25.458	3X810G0BG20
	911.02.464	3X810G3BC20		911.25.041	3X810G0BG20
	911.02.468	3X810G3BC20		911.25.042	3X810G0BG20
	911.02.480	3X810G3BC20	Deadlock	911.22.490	3X810G0BC00
	911.02.484	3X810G3BC20		911.22.901	3X810G0BC00
	911.02.165	3X810G3BC20		911.22.929	3X810G0BC00
	911.02.161	3X810G3BC20		911.22.550	3X810G0BC00
	911.25.039	3X810G3BC20		911.22.920	3X810G0BC00
	911.25.040	3X810G3BC20		911.22.921	3X810G0BC00
Latch	911.23.370	3X810G0B000		911.25.044	3X810G0BC00
	911.23.394	3X810G0B000		911.25.043	3X810G0BC00
	911.23.931	3X810G0B000		911.25.050	3X810G0BC00
	911.23.465	3X810G0B000		911.25.052	3X810G0BC00
	911.22.922	3X810G0B000			
	911.22.923	3X810G0B000			
	911.22.924	3X810G0B000			
	911.25.045	3X810G0B000			
	911.25.047	3X810G0B000			
	911.25.051	3X810G0B000			
	911.25.054	3X810G0B000			

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Further Information

Further information regarding the details contained in this certificate may be obtained from Häfele SE & Co KG (Tel: + 49 7452 95 273).

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

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