



CERTIFICATE OF APPROVAL

No CF 5539

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

HAEFELE GMBH & CO KG

Postfach 12 37, D-72192 Nagold, Germany
Tel: +49 7452 950

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
DIALOCK DT700 and DT710
Mortice Locks

TECHNICAL SCHEDULE
TS23 The Contribution of
Locks and Latches to The
Performance of Fire Resisting
Doorsets

TS31 The Contribution of
Emergency Exit Devices to the
Fire Resistance of Door
Assemblies

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

Paul Duggan
Certification Manager



Issued: 10th April 2017
Revised: 25th June 2020
Valid to: 9th April 2022





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HAEFELE – Dialock DT700 and DT710 Mortice Locks

1. The DT700 and DT710 locks covered by this certificate are all morticed lockcases with surface mounted electronic readers. This approval includes:
 - i) 20 mm and 24 mm wide forends
 - ii) 55 mm and 65 mm backsets
 - iii) Rounded forends only
 - iv) All electronic functions
 - v) Steel or brass forends and strikeplates
 - vi) 911.39.033, 911.39.034, 911.39.747 and 911.39.748 strikeplates.
 - vii) Single or double Euro profile cylinders
 - viii) DT700 and DT710 terminal sets
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 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.
4. 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 60 minutes or 90 minutes (Code ITT).
5. The locks are approved on the basis of:
 - i) Initial type testing to EN 1634-1 and EN 12209 and EN179
 - ii) An appraisal against TS23
 - iii) Certification of quality management system to ISO 9001.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with TS23 and TS31 requirements

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6. The locks 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 specification. 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:

60 minute ITT - Timber-based assemblies:

- i) Door frame density - 640 kg/m^3 (60 minutes)
- ii) Door leaves shall have a minimum thickness of 54 mm for 60 minute applications.
- iii) Lipping density - 640 kg/m^3 .

90 minute ITT - Timber-based assemblies:

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

7. When fitted to insulated timber or mineral composite door assemblies, The required protection will be as follows:

60 minute ITT - Timber-based assemblies:

- i) The protection shall be such that the case is wrapped with a 2 mm thickness of Mono Ammonium Phosphate intumescent to all faces and that a 2 mm thickness of the same material is provided behind the forend and behind the strikeplate.
- ii) Additionally the perimeter intumescent fire seals within the frame/door edge shall by-pass the strike plate or forend by a minimum of 7 mm wide on stop side/closing face, and 3 mm on the opening side (with the exception of the latchbolt lip where present).

Note: Failure to install the above protection will invalidate this certificate.



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90 minute ITT - Timber-based assemblies:

- i) The protection shall be such that the case is wrapped with a 2 mm thickness of Mono Ammonium Phosphate intumescent to all faces and that a 2 mm thickness of the same material is provided behind the forend and behind the strikeplate.
- ii) Additionally the perimeter intumescent fire seals within the frame shall by-pass the strike plate by a minimum of 9.5 mm wide x 6 mm (with the exception of the latchbolt lead where present), positioned towards the opening face.
- iii) In addition a 15 x 6 mm 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 10.5 mm wide x 6 mm deep, positioned towards the closing face.

Note: Failure to install the above protection will invalidate this certificate.

8. The locks 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 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).
9. The effectiveness and electrical safety of this electrically operated lock is outside the scope of this certification.
10. The locks shall only be fitted using the fixings supplied by the manufacturer.
11. Timber doorsets shall be installed in accordance with BS 8214.
12. Approval of the locks/latches relates specifically to ITT FD60, EI60, E60, and ITT FD90, EI90 and E90 doorsets.
13. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
14. The locks/latches should not be fitted higher than 1100 mm from the spindle to the finished floor level of the surrounding floors.
15. 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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16. The following table shows the acceptable doorset types and fire resistance periods:

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

Key:

- ✓ - approved
- x - Not approved





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17. 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.

Classification codes

EN179 classification:

3	7	6	B	1	3	4	2	A	B/D
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EN12209 classification:

3	S	5	1	0	C	2	B	A	2	0
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Further Information

Further information regarding the details contained in this certificate may be obtained from Haeefele GmbH & Co Kg (Tel: +49 7452 950).

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