



---

## 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 SE & CO KG**  
Adolf-Haeefe-Str. 1, 72202 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: 27<sup>th</sup> February 2021  
Reissued: 29<sup>th</sup> September 2022  
Valid to: 28<sup>th</sup> September 2027





---

## CERTIFICATE No CF 5539

### HAEFELE SE & CO KG

---

#### HAEFELE – Dialock DT700 and DT710 Mortice Locks

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. The DT700 and DT710 locks covered by this certificate are all morticed lockcases with surface mounted electronic readers. This approval includes:
  - 20 mm and 24 mm wide forends
  - 55 mm and 65 mm backsets
  - Rounded forends only
  - All electronic functions
  - Steel or brass forends and strikeplates
  - 911.39.033, 911.39.034, 911.39.747 and 911.39.748 strikeplates.
  - Single or double Euro profile cylinders
  - DT700 and DT710 terminal sets
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 30 minutes, 60 minutes or 90 minutes (Code ITT).**
4. 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.
  - iv) Inspection and surveillance of factory production control
  - v) On-going audit testing in accordance with TS23 and TS31 requirements
5. This approval relates to the use of the above locks/latches in contributing to the fire resistance performance of timber based doorsets, as defined in BS EN 1634-1 or BS 476: Part 22: 1987.
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 with similar 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 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:

## CERTIFICATE No CF 5539 HAEFELE SE & CO KG

### HAEFELE – Dialock DT700 and DT710 Mortice Locks

#### 30 minute ITT - Timber-based assemblies:

- i) Door frame density - 450 kg/m<sup>3</sup>
- ii) Door leaves shall have a minimum thickness of 44 mm.
- iii) Lipping minimum density - 640 kg/m<sup>3</sup>.

#### 60 minute ITT - Timber-based assemblies:

- iv) Door frame density - 640 kg/m<sup>3</sup>
- v) Door leaves shall have a minimum thickness of 54 mm.
- vi) Lipping minimum density - 640 kg/m<sup>3</sup>.

#### 90 minute ITT - Timber-based assemblies:

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

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

#### 30 minute ITT - Timber-based assemblies:

- i) The protection shall be such that the case is wrapped with a 2 mm Norseal Dialock intumescent sheet material to all faces and that a 2 mm thickness of the same material is provided behind the forend and behind the strikeplate.

#### 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 sheet material 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.*

## CERTIFICATE No CF 5539 HAEFELE SE & CO KG

### HAEFELE – Dialock DT700 and DT710 Mortice Locks

#### 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 sheet material 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 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.
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. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched door assemblies.
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. 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.



---

## CERTIFICATE No CF 5539

### HAEFELE SE & CO KG

---

#### HAEFELE – Dialock DT700 and DT710 Mortice Locks

15. 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 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)*

16. 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.
17. Recessing for locks shall result in a tight fit, allowing for any intumescent protection where required. Mortices for the latchbolt and deadbolt behind the strikeplate shall be as small as possible.
18. Timber doorsets shall be installed in accordance with BS 8214.
19. 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 5539 HAEFELE SE & CO KG

### HAEFELE – Dialock DT700 and DT710 Mortice Locks

20. 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
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
EI 90	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

## CERTIFICATE No CF 5539 HAEFELE SE & CO KG

### HAEFELE – Dialock DT700 and DT710 Mortice Locks

21. Doors are classified as the following types:

**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.

**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 timber-based door leaves shall have solid lignocellulosic construction in the lock area encompassing the entire lock case.
- Strikeplates/keeps - The locks/latches are approved with 911.39.033, 911.39.034, 911.39.747 and 911.39.748 strikeplates strikeplates/keeps. All of which are steel and a maximum size permitted for use on all doorsets is as follows:

width	30 mm (exc. Lip)
height	198 mm
thickness	2 mm
Latchbolt- lip height	80 mm

### Classification codes

EN179 classification:

**3 7 6 B 1 3 4 2 A B/D**

EN12209 classification:

**3 S 5 1 0 C 2 B A 2 0**



---

**CERTIFICATE No CF 5539**  
**HAEFELE SE & CO KG**

---

**HAEFELE – Dialock DT700 and DT710 Mortice Locks**

**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).

Page 8 of 8 Signed  
J/341

Issued: 27<sup>th</sup> February 2021  
Reissued: 29<sup>th</sup> September 2022  
Valid to: 28<sup>th</sup> September 2027