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## CERTIFICATE OF APPROVAL

### No CF 10090

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

## Merlin Architectural

**Rossmore House, Rossmore Road E,  
Cheshire, Ellesmere Port,  
CH65 3DA  
United Kingdom  
TEL: 0161 927 9292**

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

**Surface Mounted Overhead  
Closers**

#### TECHNICAL SCHEDULE

**TS 34 - The Contribution Of  
Controlled Door Closing  
Devices And Accessories To  
Fire Resisting Doorsets**

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

**Paul Duggan  
Certification Manager**



Issued: 12<sup>th</sup> April 2024  
Frequency: Annually  
Valid to: 4<sup>th</sup> July 2028



## CERTIFICATE No CF 10090 Merlin Architectural

### SURFACE MOUNTED OVERHEAD DOOR CLOSERS

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 relates to the following overhead mounted rack and pinion door closing devices and configurations:


	TABLE 1						
	Link-arms			Slide arms			
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
<b>50.14.03.07</b>	✓	✗	✓	✗	✗	✗	✗
<b>50.04.03.07</b>	✓	✗	✗	✗	✗	✗	✗

**Key:** ✓ - approved      ✗ - Not approved

*Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.*

3. This approval relates to their use with the following door assemblies: -  
**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.**
4. The closers are approved on the basis of:
  - i) Initial type testing to BS EN 1154 and BS EN 1634-1
  - ii) An appraisal against TS34
  - iii) Certification of quality management system.
  - iv) Inspection and surveillance of factory production control
  - v) On-going audit testing in accordance with EN 1154 requirements
5. This approval is applicable only to the specified closers when mounted in the applications stated later under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1:2014+A1:2018 or BS 476-22: 1987.) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

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6. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the closers are fitted to door leaves or frames that are manufactured from mineral-based materials, or low-density cellulosic- based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
8. ITT30 and 60 timber based doorset shall be installed in accordance with BS 8214.
9. The surface mounted closers may only be fitted in the manner described in this certificate and subject to any limitations on the inclusion of surface mounted closers specified for the door leaf. This approval is applicable only to the surface mounted closers used with door assemblies of proven fire resistance (as defined in BS EN 1634-1).
10. 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.

On this basis approval should be sought from the specific door assembly supplier to ensure compliance based on this assessed/certificated scope.

11. The approval relates to on-going production. The 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.

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12. . The following table show acceptable doorset types and fire resistance periods:

TABLE 2				
	Approved Door Type			
Class	IMM	MM	ITT	ITM
FD20	x	x	✓	x
FD30	x	x	✓	x
FD60	x	x	✓	x
FD90	x	x	✓	x
FD120	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
EI 120	x	x	✓	x
E 240	x	x	x	x
EI 240	x	x	x	x

**Key:**

✓ - approved

x - Not approved

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13. Doors are classified 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.

**Classification codes:**

50.14.03.07 Projecting arm (Figure 1) to EN1154:

4	8	5 2	1	1	3
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50.14.03.07 Parallel arm (Figure 6) to EN1154:

3	8	5 2	1	1	3
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50.04.03.07 Projecting arm (Figure 1) to EN1154:

3	8	5 2	1	1	3
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*Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).*



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**Scope of Approval:**

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body.
- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Mechanical Hold open option is not approved.
- The following functions are supported by this certification:


TABLE 3				
Closer Ref.	Application	Latch Control	Backcheck	Delayed-Action
50.14.03.07	Projecting arm (Figure 1)	✓	X	X
50.14.03.07	Parallel arm (Figure 6)	X	X	X
50.04.03.07	Projecting arm (Figure 1)	X	✓	✓

**Further Information**

Further information regarding the details contained in this certificate may be obtained from Merlin Architectural (Tel: 0161 927 9292).

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

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