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## CERTIFICATE OF APPROVAL

### No CF 5495

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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

## UNION ARCHITECTURAL HARDWARE

ASSA ABLOY UK, School Street, Willenhall,  
West Midlands, WV13 3PW  
Tel: 01902 366 911

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**  
**UNION CE3F Overhead Door**  
**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 Exova (UK) Limited trading as  
Warrington Certification



Paul Duggan  
Certification Manager



Issued: 30<sup>th</sup> November 2016  
Revised: 15<sup>th</sup> March 2018  
Valid to: 29<sup>th</sup> November 2021

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## CERTIFICATE No CF 5495 UNION ARCHITECTURAL HARDWARE

### UNION CE3F surface mounted overhead door closer

1. This approval applies to UNION rack and pinion overhead door closer model UNION CE3F, with projecting and parallel arms, but excludes any mechanical hold open variants. The approval applies to the following configurations:

	<b>CE3F</b>
<b>Link-arms</b>	
Projecting arm (Fig. 1) <i>Body door mounted on pull face</i>	✓
Projecting arm (Fig. 61) <i>Body transom mounted on push face</i>	✓
Parallel arm (Fig. 6) <i>Body door mounted on push face</i>	✓
<b>Slide arms</b>	
Body door mounted on pull face	✗
Body transom mounted on push face	✗
Body door mounted on push face	✗
Body transom mounted on pull face	✗

**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.*

2. This approval relates to its 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 up to 120 minutes (CERTIFIRE Code ITT).**

**Latched and unlatched, door assemblies consisting of non-metallic faced and edged leaves proprietary composite frames, of which the principal material is other than timber or metal, but may include other materials having a fire resistance up to 120 minutes (CERTIFIRE Code ITC).**

**Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (CERTIFIRE Codes IMM/MM)\*.**

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3. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
4. The closer is approved on the basis of:
  - i) Initial type testing to EN 1154 and BS EN 1634-1: 2000
  - ii) An appraisal against TS34
  - iii) Inspection of quality management system
  - iv) Inspection and surveillance of factory production control
  - v) Ongoing audit testing in accordance with EN 1154 requirements
5. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
6. Where the closers are fitted to door leaves or frames that are manufactured from mineral composite-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.
7. This approval is applicable only to the specified closers when mounted in the applications stated above and under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
8. The approval relates to ongoing 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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9. The following table show acceptable doorset types and fire resistance periods:

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

**Key:**

- ✓ - approved
- ✗ - Not approved

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### UNION CE3F surface mounted overhead door closer

10. 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.

### Scope of Approval:

- All applications apply to unglazed doorsets and glazed doorsets incorporating an uninsulated glass panel size of less than 20% of the leaf area.
- All closer models are only approved in the fitting applications detailed with their classification codes.
- The closer may not be fitted to timber doorsets without intumescent protection.
- Mechanical Hold open option is not approved.

### Classification codes:

Projecting arm (Figure 1 and 61) and parallel arm (Figure 6) applications.

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### Further Information

Further information regarding the details contained in this certificate may be obtained from UNION Architectural Hardware (Tel: 01902 366 911).

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