



CERTIFICATE OF APPROVAL

No CF 6145

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

FRISCO UK SALES LIMITED

UNIT 14, PINDAR ROAD, HODDESDON,
HERTFORDSHIRE,
EN11 0DE
UNITED KINGDOM
Tel: 01992 443010

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

73, 83 and 93 series of
Surface Mounted 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 Warringtonfire Testing and Certification Limited

Issued:
Audit Test Frequency:
Valid to:

23rd January 2025
Annually
22nd January 2030

Paul Duggan
Certification Manager



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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 applies to the following overhead door closer models but excludes any mechanical hold open variants. The approval applies to the following configurations:

| | 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 |
| 73 series | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| 83 series | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ |
| 93 series | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |

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: -

All closers - 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 EN1154 and BS EN 1634-1
- ii) An appraisal against TS34
- iii) Inspection of quality management system
- iv) Inspection and surveillance of factory production control
- v) On-going 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.



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6. Where the closers are fitted to door leaves or frames that are manufactured from 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. ITT30 and ITT60 Timber based doorset shall be installed in accordance with BS 8214.
8. 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; and the required specification/design based on the key materials/ maximum size 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.

9. 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 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, and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
10. The approval relates to on-going production. 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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11. The following table shows acceptable doorset types for the closer models:

| Class | Approved Door Type | | | |
|--------|--------------------|-----|-----|-----|
| | MM | IMM | ITT | ITM |
| FD20 | x | x | ✓ | x |
| FD30 | x | x | ✓ | x |
| FD60 | 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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12. 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.

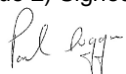
Code MM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

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:

| Closer Ref. | Application | Latch Control | Backcheck | Delayed-Action |
|------------------|---|---------------|-----------|----------------|
| 73 series | Projecting arm (Fig. 1) Body door mounted on pull face. | No | No | No |
| 73 series | Projecting arm (Fig. 61) Body transom mounted on push face | No | No | No |
| 73 series | Parallel arm (Fig. 6) Body door mounted on push face. | Yes | No | No |
| 83 series | Projecting arm (Fig. 1) Body door mounted on pull face. | Yes | No | No |
| 83 series | Projecting arm (Fig. 61) Body transom mounted on push face | Yes | No | No |
| 83 series | Parallel arm (Fig. 6) Body door mounted on push face. | No | No | No |
| 93 series | Projecting arm (Fig. 1) Body door mounted on pull face. | Yes | Yes | No |
| 93 series | Projecting arm (Fig. 61) Body transom mounted on push face | Yes | Yes | No |





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Classification codes

This approval provides the following classifications for the closers:

73 series in projecting, parallel and transom mounted arm configurations:

| | | | | | |
|---|---|---|---|---|---|
| 3 | 8 | 3 | 1 | 1 | 3 |
|---|---|---|---|---|---|

83 series in projecting arm configuration:

| | | | | | |
|---|---|--------|---|---|---|
| 4 | 8 | 4 3 | 1 | 1 | 3 |
|---|---|--------|---|---|---|

83 series in parallel and transom mounted arm configuration:

| | | | | | |
|---|---|---|---|---|---|
| 3 | 8 | 3 | 1 | 1 | 3 |
|---|---|---|---|---|---|

93 series in projecting and transom mounted arm configuration:

| | | | | | |
|---|---|--------|---|---|---|
| 4 | 8 | 4 2 | 1 | 1 | 3 |
|---|---|--------|---|---|---|

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

Further Information

Further information regarding the details contained in this certificate may be obtained from Frisco UK Sales Limited (Tel: 01992 443010).

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

EWC-QU-FT-733 (issue 2) Signed
CQU81285-8

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