
CERTIFICATE OF APPROVAL

No CF 600

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

FRISCO (UK) SALES LTD

Unit 14, Pindar Road, Essex Road, Hoddesdon
Hertfordshire EN11 0DE

Tel: 01992 443 010 Fax: 01992 443 020

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

Frisco 73 Series (28730), Frisco
93 Series (28932) and Henderson
Hardware 400 Series and 700
Series 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: 8th February 2008
Revised: 22nd November 2018
Valid to: 7th June 2023

Page 1 of 6



CERTIFICATE No CF 600 FRISCO (UK) SALES LTD

Frisco 73 Series (28730), Frisco 93 Series (28932) and Henderson Hardware 400 Series and 700 Series Overhead Door Closers

- This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
- The approval applies to the following models and configurations only:

	Link-arms			Slide arms			
	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>	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 (28730)	✓	✗	✗	✗	✗	✗	✗
93 Series (28932)	✓	✗	✗	✗	✗	✗	✗
400 Series	✓	✗	✗	✗	✗	✗	✗
700 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.

- 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 up to 120 minutes (CERTIFIRE Code - ITT).

Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, fully-insulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)

Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, uninsulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM) with closers fitted to the fire risk face only*

****The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified***

CERTIFICATE No CF 600

FRISCO (UK) SALES LTD

Frisco 73 Series (28730), Frisco 93 Series (28932) and Henderson Hardware 400 Series and 700 Series Overhead Door Closers

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.
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 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 600 FRISCO (UK) SALES LTD

Frisco 73 Series (28730), Frisco 93 Series (28932) and Henderson Hardware 400 Series and 700 Series Overhead Door Closers

9. The following table shows 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
- ✓* - Fully-insulated steel-based doors and frames only
- ✓# - Fitted to the fire risk face only of uninsulated steel-based doors and frames only
- ✓*# - Fitted to Fully-insulated steel-based doors and frames, or the fire risk face only of Uninsulated steel-based doors and frames

CERTIFICATE No CF 600
FRISCO (UK) SALES LTD

Frisco 73 Series (28730), Frisco 93 Series (28932) and Henderson Hardware 400 Series and 700 Series Overhead Door Closers

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:

- Doors may not include uninsulated glass above 20% of their total area.
- The closer may not be fitted to timber doorsets without leaf/frame edge intumescent protection.
- The closers are only approved for use on steel-based doorsets, and the doorsets shall be fully-insulated for the required classification period.
- For uninsulated steel-based doors and frames the closers shall be fitted to the fire risk face only.
 - **The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified**
- Mechanical Hold open option is not approved

Classification codes

Frisco 73 Series (28730) & Henderson Hardware 400 Series mounted in projecting arm (Figure 1)

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

CERTIFICATE No CF 600 FRISCO (UK) SALES LTD

Frisco 73 Series (28730), Frisco 93 Series (28932) and Henderson Hardware 400 Series and 700 Series Overhead Door Closers

Classification codes - Continued

Frisco 93 Series (28932) & Henderson Hardware 700 Series mounted in projecting arm (Figure 1)

4	8	4 3	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 data sheet may be obtained from Frisco (UK) Sales Ltd (Tel: 01992 443 010).

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