
CERTIFICATE OF APPROVAL

No CF 145

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

GEZE UK LIMITED

Blenheim Way, Fradley Park, Lichfield, WS13 8SY
Tel: 01543 443000 Fax: 01543 443021

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

**TS3000 and TS5000 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**



**Sir Ken Knight
Chairman
Impartiality Committee**



**Paul Duggan
Certification Manager**

Issued: 1st May 1997
Revised: 1st June 2017
Valid to: 11th May 2022

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TS3000 and TS5000 SERIES OVERHEAD DOOR CLOSERS

1. This approval relates to Geze overhead mounted door closing devices identified in section 6. The closers have an adjustable latch action.
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 fully insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).**
 - Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in steel frames having a fire resistance up to 120 minutes (Code ITM).**
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 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) Ongoing audit testing in accordance with EN 1154 requirements
5. 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).

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7. 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.
8. The following tables show acceptable doorset types and fire resistance periods:

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

Key: ✓ - approved

x - Not approved

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9. Doors are classified as the following types:

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.

Limitations of Approval:

- Doors may not include uninsulated glass above 20% of their total area.
- The closer may not be fitted to timber doorsets without intumescent protection.
- Approved for use with slide arm only.
- Hold open option is not approved.

Classification codes

This approval provides the following classification for the closers as detailed:

For models TS3000 EN3:

4	8	3	1	1	4
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For models TS3000 E:

3	8	6 3	1	1	4
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For models TS3000 EC, TS3000 EC BC:

4	8	3	1	1	4
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Classification codes - Continued

For models TS3000 V and TS3000 V BC:

4	8	3	1	1	4
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For models TS3000 B:

3	8	4 3	1	1	3
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For models TS5000, TS5000 E, TS5000 R, TS5000 L, TS5000 L E, TS5000 L R, TS5000 ISM, TS5000 L ISM, TS5000 E-ISM, TS5000 L E-ISM:

3	8	6 3	1	1	4
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For model TS5000 S:

4	8	6 3	1	1	4
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For models TS5000 EFS, TS5000 RFS:

3	8	5 3	1	1	4
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For models TS5000 ECLINE and TS5000 ECLINE T – Body door mounted on pull face & body frame/transom mounting on push face:

4	8	5 3	1	1	4
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Classification codes - Continued

For models TS5000 L ECLINE and TS5000 L ECLINE T – Body door mounted on push face & body frame/transom mounting on pull face:

3	8	5 3	1	1	4
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For models TS-FDM and HDC-35:

4	8	5 3	1	1	4
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Accessories

The approved closers may be fitted in conjunction with the following accessories:

ISM guide rail
E-ISM guide rail
R-ISM guide rail

These guide rails have an integral door selector function and have been initially type tested in accordance with EN 1158: 1997.

Classification of the ISM, E-ISM and R-ISM guide rails is given as follows:

3	8	6 3	1	1	4
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Note: Where one of the above guide rails is used in conjunction with a closer model having a differing classification code, the lower code shall apply.

Further Information

Further information regarding the details contained in this data sheet may be obtained from GEZE UK (Tel: 01543 443000).

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