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## CERTIFICATE OF APPROVAL

### No CF 252

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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

## 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:

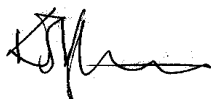
### CERTIFIED PRODUCTS

**TS2000 and TS4000  
 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 CERTIFIRE**



Sir Ken Knight  
 Chairman - Management Council

Issued: 28<sup>th</sup> March 2001  
 Reissued: 16<sup>th</sup> December 2011  
 Valid to: 15<sup>th</sup> December 2016

Page 1 of 5



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## CERTIFICATE No CF 252

### GEZE UK LIMITED

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#### TS2000 and TS4000 Series OVERHEAD DOOR CLOSERS

1. This approval relates to Geze TS2000 and TS4000 closers which are overhead mounted door closing devices. The approval relates to the specific door closer units: TS2000V, TS2000VBC, TS2000G, TS2000GE, TS2000NV, TS2000NVBC, TS4000, TS4000S, TS4000T, TS4000E, TS4000EFS, TS4000IS, TS4000E-IS, TS4000G, TS4000GI and TS4000EN 5-7.
  
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (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.
  
3. 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, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM).**
  
  - 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).**
  
4. The closers are approved on the basis of:
  - i) Initial type testing to EN1154/1155 and BS EN 1634-1: 2000
  - ii) An appraisal against TS34
  - iii) Certification of quality management system to ISO 9001: 2000.
  - 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 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).

## CERTIFICATE No CF 252 GEZE UK LIMITED

### TS2000 and TS4000 Series OVERHEAD DOOR CLOSERS

6. 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.
7. The following table shows acceptable doorset types and fire resistance periods:

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
FD20	✓	✓	✗	✓	✓	✓
FD30	✓	✓	✗	✓	✓	✓
FD60	✓	✓	✗	✓	✓	✓
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	✓	✓	✗	✗	✗	✗

See CERTIFIRE Technical Schedules for designation of doorset types i.e. ITT etc.

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## CERTIFICATE No CF 252

### GEZE UK LIMITED

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#### TS2000 and TS4000 Series OVERHEAD DOOR CLOSERS

##### Limitations of Approval:

The closers may not be fitted to timber doorsets without intumescent protection. All closer models are only approved in the fitting applications detailed with their classification codes.

##### Classification Codes

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

For model TS2000V and TS2000VBC in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications.

4	8	5 3	1	1	4
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For models TS2000NV, TS2000NVBC in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications.

4	8	4 3	1	1	4
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For models TS4000, TS4000S and TS4000T in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications.

4	8	6 3	1	1	4
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For models TS4000G and TS4000GI in projecting arm (Figure 1) and transom mount (Figure 61) only.

4	8	6 3	1	1	4
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For models TS4000E, TS4000EFS, TS4000E-IS and TS4000IS in projecting arm (Figure 1) and transom mount (Figure 61) only.

3	8	6 3	1	1	4
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**CERTIFICATE No CF 252**  
**GEZE UK LIMITED**

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**TS2000 and TS4000 Series OVERHEAD DOOR CLOSERS**

For model TS4000EN 5-7 in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications.

4	8	7 5	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 guide rails is given as follows:

3	8	6 3	1	1	4
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For ISM, E-ISM and R-ISM

**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).

