



CERTIFICATE OF APPROVAL

No CF 252

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

GEZE GmbH

Rein Reinhold-Voster-Straße 21 – 29
71229 Leonberg
Germany
01543 443024 – 07702511350

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

**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 Warringtonfire Testing and Certification Limited

**Paul Duggan
Certification Manager**



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TS2000 and TS4000 Series OVERHEAD DOOR CLOSERS

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 relates to Geze overhead mounted door closing devices and configurations as follows:

	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
TS2000 NV	✓	✗	✓	✗	✗	✗	✗
TS2000 NV BC	✓	✗	✓	✗	✗	✗	✗
TS4000	✓	✓	✗	✗	✗	✗	✗
TS4000 S	✓	✓	✗	✗	✗	✗	✗
TS4000 E	✓	✓	✓	✗	✗	✗	✗
TS 4000 EFS	✓	✓	✓	✗	✗	✗	✗
TS4000 EN 5-7	✓	✓	✗	✗	✗	✗	✗

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. The closer is approved based on:
 - 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

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4. 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 (Code ITT).

Latched and unlatched, door assemblies consisting of predominantly steel faced and edged leaves in steel frames, fully insulated for the required classification period as defined by EN1634-1 or BS476-22, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)

Latched and unlatched, door assemblies consisting of predominantly steel faced and edged leaves in steel 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*

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in fully insulated steel frames as defined by EN1634-1 or BS476-22, having a fire resistance up to 120 minutes (Code ITM)

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

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).
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. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
8. Timber based doorset shall be installed in accordance with BS 8214.
9. The approval relates to on-going production. The 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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10. The following tables show acceptable doorset types and fire resistance periods:

Class	Approved Door Type			
	MM	IMM	ITT	ITM
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	✓*	✓*	✗	✗

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

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11. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

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

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

Limitations 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 doorsets incorporating timber leaves without leaf/frame edge intumescent protection to the frame rebate or door edge.
- Closers are approved for use on both sides of steel-based doors and frames that are 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.

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Limitations of Approval – Cont'd:

- The following functions are supported by this certification:

Closer Ref.	Latch Control	Backcheck	Delayed-Action
TS2000 NV	Yes	No	No
TS2000 NV BC	Yes	Yes	No
TS4000	Yes	Yes	No
TS4000 S	Yes	Yes	Yes
TS4000 E	Yes	No	No
TS 4000 EFS	Yes	No	No
TS4000 EN 5-7	Yes	Yes	No

Classification codes

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

For models TS2000 NV & TS2000 NV BC in projecting arm (Figure 1) and parallel arm (Figure 6) applications:

4	8	4 2	1	1	4
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For model TS4000 in projecting arm (Figure 1) and transom mount (Figure 61) applications:

4	8	6 1	1	1	4
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For model TS4000 S in projecting arm (Figure 1) and transom mount (Figure 61) applications:

4	8	6 2	1	1	4
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For models TS4000 E & TS4000 EFS in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications to EN1154:

4	8	6 1	1	1	4
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Classification codes - Continued

For models TS4000 E & TS4000 EFS in projecting arm (Figure 1), parallel arm (Figure 6) and transom mount (Figure 61) applications to EN1154:

4	8	6 1	1	1	4
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For models TS4000 E & TS4000 EFS in projecting arm (Figure 1) & transom mount (Figure 61) to EN1155:

3	8	6 1	1	1	4
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For model TS4000EN 5-7 in projecting arm (Figure 1) & transom mount (Figure 61) applications:

4	8	7 5	1	1	4
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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 GEZE GmbH (Tel: 01543 443024).

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

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