
CERTIFICATE OF APPROVAL

No CF 144

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

**TS1000, TS1200,
TS1500 and TS1500 BC
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
Reissued: 10th May 2017
Next audit test due: 01/05/2018
Frequency: Annually
Valid to: 9th May 2022



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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).
6. 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.

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

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	x	x	✓	x	✓
FD30	x	x	✓	x	✓
FD60	x	x	✓	x	✓
FD90	x	x	✓	x	✓
FD120	x	x	✓	x	✓
FD240	x	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	x
EI 240	x	x	x	x	x

Key:

- ✓ - approved
- x - Not approved

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7. 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:

- Door leaves may not include uninsulated glass above 20% of their total area.
- The closers may not be fitted to timber doorsets without intumescent protection.
- Hold open option is not approved.

Classification codes

This approval provides the following classifications for the closers listed above:

TS1000, TS1200 mounted in projecting arm (Figure 1) and transom mount (Figure 61) configurations only

4	8	4 3	1	1	4
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TS1500, TS1500 BC mounted in projecting arm (Figure 1) and transom mount (Figure 61) configurations only

4	8	4 3	1	1	3
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Classification codes - Continued

TS1500, TS1500 BC mounted in parallel arm (Figure 6) configuration

4	8	3	1	1	3
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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)