



CERTIFICATE OF APPROVAL
No CF 259

This is to certify that, in accordance with
CERTIFIRE's Rules for Certification
The undermentioned products of

GEZE 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

**TS500/550 Series Floor
Springs**

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: 13th February 2002
Reissued: 22nd August 2006
Revised: 23rd June 2008
Valid to: 21st August 2011

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Only valid when authentic
Seal is in place
CERTIFIRE



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GEZE UK

TS500/550 SERIES FLOOR SPRINGS

1. This approval relates to Geze TS500/550 series floor spring closers which are floor mounted door closing devices. The approval relates to the specific door closer units: TS500, TS500S, TS500N EN3, TS500NV, TS550, TS550S, TS550F, TS550F-G, TS550E, TS550ER, TS550IS, TS550E-IS, TS550NV, TS550NV F, TS550E-G and TS520
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: -

Single action, 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 30 minutes (CERTIFIRE Code - ITT).

Double action, latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in hardwood timber frames having a fire resistance of 60 minutes (CERTIFIRE Code - ITT).
4. The closers are approved on the basis of:
 - i) Initial type testing to EN1154, EN1155 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 in the specific type of doorsets and with door assemblies of proven fire resistance (as defined in BS EN 1634-1: 2000 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 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.



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TS500/550 SERIES FLOOR SPRINGS

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

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

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

Only double action configurations can be used in 60 minute applications.



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TS500/550 SERIES FLOOR SPRINGS

Limitations of Approval:

Single action door assemblies for fire resistance of up to 30 minutes

- The closers may not be fitted to timber doorsets without intumescent protection.
- The floor spring and top pivot are to be bedded into intumescent mastic.
- Where the intumescent is included within the head of the door leaf (as opposed to within the frame), two additional 10 mm wide by 2 mm thick Therm-a-seal intumescent seals are to be installed adjacent to the pivot position.
- Doorsets shall not include flush overpanels.

Double action door assemblies for fire resistance of 60 minutes

- The closers may not be fitted to timber doorsets without intumescent protection.
- The closers may only be fitted with Type B 06371 Upper Pivots and Type C 07432 Bottom Straps.
- The bottom strap and upper pivot are to be bedded on to 1mm thick Interdens to all sides which shall be provided by the manufacturer and referenced within the manufacturer's product data sheet.
- Where the intumescent is included within the head of the door leaf (as opposed to within the frame), two additional 10 mm wide by 2 mm thick Therm-a-seal intumescent seals are to be installed adjacent to the pivot position.
- For FD60 applications the door assembly shall include a door leaf of 54 mm thick minimum, mounted into a door frame of hardwood timber, minimum density 650 kg/m³.
- For EI60 applications, in addition to the above requirement, the leaf is to include 4.5 mm thick, non-combustible, mineral based sub-facings of nominal density 1500 kg/m³, bonded to the stiles, rails and core using a resorcinol type adhesive.
- Doorsets shall not include flush overpanels.

A handwritten signature in black ink, appearing to be "K. M. ...".



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TS500/550 SERIES FLOOR SPRINGS

Classification codes

This approval provides the following classifications for the closers:

TS500, TS500S, TS500N EN3, TS500NV, TS550, TS550S, TS550F, TS550F-G, TS550ER, TS550IS, TS550E-IS and TS520

3	8	3	1	1	4
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TS550E, TS550E-G

4	8	6-3	1	1	4
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TS550NV, TS550NV F

3	8	6-3	1	1	4
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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)