



CERTIFICATE OF APPROVAL
No CF 242

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

**Geze 'Boxer 2-4' and 'Boxer
3-6' Concealed Overhead
Door Closers**

TECHNICAL SCHEDULE

**TS34 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: 9th October 2002
Reissued: 17th August 2006
Valid to: 16th August 2011

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GEZE UK

GEZE 'BOXER 2-4' AND 'BOXER 3-6' CONCEALED OVERHEAD DOOR CLOSERS

1. This approval relates to Geze 'Boxer 2-4' and 'Boxer 3-6' are concealed overhead mounted door closing devices, with adjustable power. The closers include an external power adjustment and a slide arm channel of maximum length 457mm.
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 acting, latched or 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 (Code ITT).**
 - Single acting, latched or unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores and having calcium silicate subfacings into hardwood timber frames and having a fire resistance up to 60 minutes (Code ITT).**
 - Single acting, latched or unlatched, door assemblies consisting of metallic faced and edged leaves with mineral fibre or paper honeycomb cores in metal frames having a fire resistance up to 240 minutes (Code MM and IMM).**
4. The closers are approved on the basis of:
 - i) Initial type testing to EN1154, BS EN 1634-1: 2000 and BS 476: Part 22
 - ii) An appraisal against TS27
 - 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 476: Part 22 and EN 1634-1 for metallic doorsets) and having power ratings appropriate to the leaf sizes subject to a **minimum size 3** (as specified in BS EN 1154) and including the supplied intumescent protection kit. Failure to supply and install the intumescent protection kit, in the appropriate manner, will invalidate this certificate of approval.



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- 6. The approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturers' 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 tables show acceptable doorset types and fire resistance periods:

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

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Scope of Approval:

- For timber based doorsets, the concealed closers shall be bedded upon 1mm-thick Interdens to all sides which shall be provided by the manufacturer and referenced within the manufacturers product data sheet.

FD20 and FD30 timber based doorsets

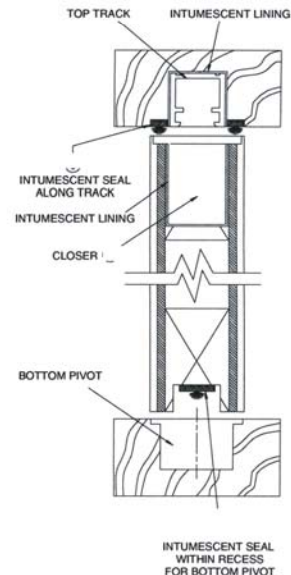
Boxer closers of size 2-4 and 3-6 are approved for FD20 & FD30 single acting doorsets of the following specification:
Leaf of 45mm thick minimum mounted into a door frame of softwood timber, minimum density 500Kg/m³ and with a minimum section size 94mm deep by 43mm high.

FD60 timber based doorsets

Boxer closers of size 2-4 and 3-6 are approved for FD60 single acting doorsets of the following specification:
Leaf of 54mm thick minimum mounted into a door frame of hardwood timber, minimum density 650 kg/m³ nominal and with a minimum section size 94mm deep by 44mm high. **The leaf is to include 4.5 mm thick Masterclad of nominal density 1500 kg/m³, bonded to stiles, rails and core using a resorcinol type adhesive.** The adjacent figure shows the details for doorsets intended to satisfy 60 minutes integrity.

60 minute steel based doorsets

Boxer closers of size 2-4 and 3-6 are approved for single acting doorsets of up to 240 minutes integrity.





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Classification codes

The above approval provides the following classifications:

Boxer 2-4 – Maximum leaf weight 130 kg

3	8	4 3	1	1	4
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Boxer 3-6 – Maximum leaf weight 180 kg

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)