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**CERTIFICATE OF APPROVAL**  
**No. CF 860**

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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 LTD**

**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:

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**CERTIFIED PRODUCT**

**GEZE Slimdrive EMD-F, TSA  
160 NT And TSA 160 NT Z  
Overhead Mounted Door  
Closing Devices**

**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**

A handwritten signature in black ink, appearing to read "SK Knight".

Sir Ken Knight  
Chairman - Management Council

Issued: 21 June 2011  
Valid to: 20 June 2016

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Only valid when authentic  
Seal is in place  
CERTIFIRE



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**CERTIFICATE No. CF860**  
**GEZE UK LTD**

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**GEZE SLIMDRIVE EMD-F TSA 160 NT AND TSA 160 NT Z OVERHEAD MOUNTED DOOR CLOSING DEVICES**

1. GEZE Slimdrive EMD-F, TSA 160 NT and TSA160 NT Z are overhead mounted devices providing a door closing function, both units have adjustable power.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), 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 (Code ITT).**
4. The units are approved on the basis of:
  - i) Initial type testing to the requirements of EN 1154 and EN1634-1
  - ii) An appraisal against TS34
  - iii) Certification of quality management system to ISO 9001: 2008.
  - iv) Inspection and surveillance of factory production control
  - v) Ongoing audit testing in accordance with the requirements of EN 1154
5. This approval is applicable only to the specified products 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 EN 1154).
6. The approval relates to on going production. The 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.

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



**CERTIFICATE No. CF860**  
**GEZE UK LTD**

**GEZE SLIMDRIVE EMD-F TSA 160 NT AND TSA 160 NT Z OVERHEAD MOUNTED DOOR CLOSING DEVICES**

7. The following table show acceptable doorsets types and fire resistance periods:

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

**Scope of Approval:**

Doors may not include uninsulated glass above 20% of their total area.  
The products may not be fitted to timber doorsets without leaf/frame edge intumescent protection.



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**GEZE SLIMDRIVE EMD-F and TSA 160 NT OVERHEAD MOUNTED DOOR CLOSING DEVICES**

**Classification codes**

The approval provides the following classifications:

Slimdrive EMD-F transom mounted with guide rail on push/pull side of door.

Slimdrive EMD-F door mounted with guide rail on pull side of door.

3	8	5 3	1	1	0
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Slimdrive EMD-F transom mounted with linkage arm on push side of door.

3	8	6 4	1	1	0
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TSA 160 NT transom mounted with linkage arm on push side of door only.

TSA 160 NT Z transom mounted with guide rail on pull side of door only.

3	8	6 3	1	1	0
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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).