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**CERTIFICATE OF APPROVAL**  
**No. CF 127**

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

**DORMA UK LIMITED**  
Wilbury Way, Hitchin, Hertfordshire, SG4 0AB  
Tel: 01462 477600 Fax: 01462 477601

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**

**DORMA BTS 75V, 80F, 80FP,  
80EMB & 80FLB Floor Springs  
and Associated Accessories**

**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: 2nd April 1993  
Reissued: 6<sup>th</sup> October 2010  
Valid to: 5<sup>th</sup> October 2015

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Only valid when authentic  
Seal is in place  
CERTIFIRE



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**CERTIFICATE No CF 127**  
**DORMA UK LTD**

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**DORMA BTS 75V, 80F, 80FP, 80EMB AND 80FLB FLOOR SPRINGS AND ACCESSORIES**

1. BTS 75V, 80F, 80FP, 80EMB and 80FLB Floor Springs is are adjustable floor mounted closing devices which may be used with the following accessories:
  - i) Top centre 8066, 7411K56F and 6150
  - ii) Dorma Bottom Strap 7421
  - iii) Offset bottom straps 4150, 7411/56
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), 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 60 minutes (Code ITT).

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in steel frames having a fire resistance up to 60 minutes (Code ITM).

Latched and unlatched, intumescent sealed door assemblies consisting of metallic faced and edged leaves with cellulosic or mineral cores in steel frames having a fire resistance up to 240 minutes (Code MM and IMM).
4. The floor springs are approved on the basis of:
  - i) Initial type testing to EN1154 and BS EN 1634-1.
  - iii) 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 floor springs used with door assemblies of proven fire resistance (as defined in BS 476: Part 22: 1987 or BS EN 1634-1 as applicable) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154). The approval does not include mechanical hold open variants.
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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**DORMA BTS 75V, 80F, 80FP, 80EMB AND 80FLB FLOOR SPRINGS AND ACCESSORIES**

**Matrix of acceptable doorset types for BTS 75V**

Class	Approved Door Type						
	IMM	MM	TT	ITT	ITM	ITC	TM
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	✓	✓	✗	✗	✗	✗	✗

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

\* Limitations apply, see scope of approval.



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**DORMA BTS 75V, 80F, 80FP, 80EMB AND 80FLB FLOOR SPRINGS AND ACCESSORIES**

**Matrix of acceptable doorset types for BTS 80F, 80FP, 80EMB and 80FLB**

Class	Approved Door Type						
	IMM	MM	TT	ITT	ITM	ITC	TM
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	✓	✓	✗	✗	✗	✗	✗

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

\* Limitations apply, see scope of approval.



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**DORMA BTS 75V, 80F, 80EMB AND 80FLB FLOOR SPRINGS AND ACCESSORIES**

**Scope of Approval:**

The closers may not be fitted to timber doorsets without intumescent protection  
Where the door leaves are 45mm thick the approval is limited to FD30 with codes ITT and ITM

\* Timber doorsets tested to EN 1634-1 must be a minimum of 54 mm thick.

For all 60 minute timber doorset applications the closer bottom strap, top centre and cover plate must all be bedded onto 1 mm thick mono ammonium phosphate intumescent sheet material as supplied by DORMA.

**Classification codes**

The above approval provides the following classification for BTS 75V floor spring:

3	8	4 3	1	1	4
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The above approval provides the following classification for BTS 80F floor spring:

4	8	6 4	1	1	4
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The above approval provides the following classification for BTS 80EMB and BTS 80FLB floor springs:

3	8	6 4	1	1	4
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**Further Information**

Further information regarding the details contained in this data sheet may be obtained from Dorma UK Limited (Tel: 01462 477600).

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