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## CERTIFICATE OF APPROVAL

### No CF 117

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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

## 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 PRODUCTS

TS73V, TS73V BCDC and  
TS73EMF

#### TECHNICAL SCHEDULES

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 be "Sir Ken Knight".

Sir Ken Knight  
Chairman - Management Council

Issued: 3<sup>rd</sup> February 1992  
Reissued: 18<sup>th</sup> February 2012  
Valid to: 17<sup>th</sup> February 2017

Page 1 of 4



Only valid when authentic  
Seal is in place  
CERTIFIRE



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## CERTIFICATE No CF 117 DORMA UK LTD

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### DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS

1. TS73V, TS73V BCDC units are adjustable strength rack and pinion overhead door closers, the TS73EMF is a rack and pinion overhead door closer available in fixed sizes EN4, EN5 and EN6. 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).**

**Latched and unlatched door assemblies (intumescent sealed or non-intumescent sealed) consisting of uninsulated or insulated metal door assemblies in metal frames, having a fire resistance of up to 240 minutes (IMM and MM).**

**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 120 minutes (Code ITM).**

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) 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. The closers 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
4. This approval is applicable only to the specified closers used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
5. 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 UK LTD**

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6. The following tables show acceptable doorsets types and fire resistance periods:

For doorsets to BS 476: Part 22: 1987

Fire resistance performance as required by Approved Document B	MM	IMM	TT	ITT	ITM	ITC
FD20	✓	✓	x	✓	✓	x
FD30	✓	✓	x	✓	✓	x
FD60	✓	✓	x	✓	✓	x
FD90	✓	✓	x	✓	✓	x
FD120	✓	✓	x	✓	✓	x
FD240	✓	✓	x	x	x	x

For doorsets to EN 1634-1

Classification to EN13501-2	MM	IMM	TT	ITT	ITM	ITC
E 20	✓	✓	x	✓	✓	x
EI 20	✓	✓	x	✓	✓	x
E 30	✓	✓	x	✓	✓	x
EI 30	✓	✓	x	✓	✓	x
E60	✓	✓	x	✓	✓	x
EI 60	✓	✓	x	✓	✓	x
E 90	✓	✓	x	✓	✓	x
EI 90	✓	✓	x	✓	✓	x
E 120	✓	✓	x	✓	✓	x
EI120	✓	✓	x	✓	✓	x
E240	✓	✓	x	x	x	x
EI240	✓	✓	x	x	x	x

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

**Scope of Approval:**

Doors may not include uninsulated glass above 20% of their total area.  
 The closers may not be fitted to doorsets incorporating timber leaves without leaf/frame edge intumescent protection.  
 Slide arm option is not approved.  
 Mechanical hold open option is not approved.

**Classification Codes**

**TS73V when mounted in projecting arm (Figure 1) and transom mount (Figure 61)**

4	8	4 3	1	1	4
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**TS73V BCDC when mounted in projecting arm (Figure 1) and transom mount (Figure 61)**

4	8	4 3	1	1	3
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**DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS**

**TS73V when mounted in parallel arm (Figure 6)**

4	8	3	1	1	4
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**TS73V BCDC when mounted in parallel arm (Figure 6)**

4	8	3	1	1	3
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**TS73EMF EN4 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)**

4	8	4	1	1	4
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**TS73EMF EN5 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)**

4	8	5	1	1	4
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**TS73EMF EN6 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)**

4	8	6	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: 01426 477600).

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