



CERTIFICATE OF APPROVAL

No CF 117

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:

CERTIFIED PRODUCTS

TS73N, TS73V,
TS73EMF, TS27 and
TS73NDA

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

Sir Ken Knight
Chairman - Management Council

Issued: 3rd February 1992
Reissued: 19th February 2007
Valid to: 18th February 2012

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CERTIFICATE No CF 117 DORMA UK LTD

DORMA TS73N, TS73V, TS73EMF, TS73NDA and TS73NBC OVERHEAD DOOR CLOSERS

1. TS73N, TS73V, TS73EMF, TS73NDA and TS73NBC Overhead Door Closers are adjustable strength rack and pinion overhead door closers. This approval relates to its 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 metallic faced and edged leaves with cellulosic or mineral cores in steel frames, having a fire resistance of up to 240 minutes (IMM and MM).

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. The closers are approved on the basis of:
- i) Initial type testing to EN 1154 and EN1634-1
 - ii) An appraisal against TS34
 - iii) Production surveillance under ISO 9002
 - iv) 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 1634-1:2000 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 manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
4. 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	x
FD30	✓	✓	x	✓	x	x
FD60	✓	✓	x	✓	x	x
FD90	✓	✓	x	✓	x	x
FD120	✓	✓	x	✓	x	x
FD240	✓	✓	x	x	x	x



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DORMA UK LTD**

DORMA TS73N, TS73V, TS73EMF, TS73NDA and TS73NBC OVERHEAD DOOR CLOSERS

For doorsets to EN 1634-1

Classification to EN13501-2	MM	IMM	TT	ITT	ITM	ITC
E 20	✓	✓	x	✓	x	x
EI 20	✓	✓	x	✓	x	x
E 30	✓	✓	x	✓	x	x
EI 30	✓	✓	x	✓	x	x
E60	✓	✓	x	✓	x	x
EI 60	✓	✓	x	✓	x	x
E 90	✓	✓	x	✓	x	x
EI 90	✓	✓	x	✓	x	x
E 120	✓	✓	x	✓	x	x
EI120	✓	✓	x	✓	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 timber doorsets without leaf/frame edge intumescent protection.

Slide arm option is not approved.

Mechanical hold open option is not approved.

Classification Code

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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).