



CERTIFICATE OF APPROVAL

No. CF 119

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:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
DORMA TS 90, TS 91, TS 92, TS 93, TS 97 and TS 99 Overhead Mounted Door Closers	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
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Issued: 3rd February 1992
Revised: 5th September 2012
Valid to: 17 February 2017



Only valid when authentic
Seals in place CERTIFIRE



CERTIFICATE No. CF119

DORMA UK LTD

DORMA TS 90, TS 91, TS 92, TS 93, TS 97 and TS 99 OVERHEAD MOUNTED DOOR CLOSERS

1. Dorma TS90, TS 91, TS 92, TS 93, TS 97 and TS 99 are overhead mounted cam action door closing devices. The TS 92, TS 93 and TS 99 have adjustable power. The TS 93 also includes integral back check and delayed action. The TS 99 is a free swing unit complying with EN 1155.
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 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 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).**
4. The closers are approved on the basis of:
 - i.) Initial type testing to EN 1154 or EN 1155 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 EN 1154 or EN 1155 requirements
5. 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 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. J. ...", located below the "Signed" text.



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DORMA TS 90, TS 91, TS 92, TS 93, TS 97 and TS 99 OVERHEAD MOUNTED DOOR CLOSERS

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

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
FD20	✓	✓	x	✓	✓	x
FD30	✓	✓	x	✓	✓	x
FD60	✓	✓	x	✓	✓	x
FD120	✓	✓	x	✓	✓	x
FD240	✓	✓	x	x	x	x
E 20	✓	✓	x	✓	✓	x
EI 20	✓	✓	x	✓	✓	x
E 30	✓	✓	x	✓	✓	x
EI 30	✓	✓	x	✓	✓	x
E 60	✓	✓	x	✓	✓	x
EI 60	✓	✓	x	✓	✓	x
E 90	✓	✓	x	✓	✓	x
EI 90	✓	✓	x	✓	✓	x
E 120	✓	✓	x	✓	✓	x
EI 120	✓	✓	x	✓	✓	x
E 240	✓	✓	x	x	x	x
EI 240	✓	✓	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 closers may not be fitted to doorsets incorporating timber leaves without leaf/frame edge intumescent protection.



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DORMA TS 90, TS 91, TS 92, TS 93, TS 97 and TS 99 OVERHEAD MOUNTED DOOR CLOSERS

Classification codes

The approval provides the following classifications:

Dorma TS 90

Door leaf mounted pull side and transom mounted pull side only

3	8	3	1	1	3
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Dorma TS 91 B

Door leaf mounted pull side and transom mounted push side only (model suffixed B)

4	8	3	1	1	3
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Dorma TS 92 B/G

Door leaf mounted pull side and transom mounted push side (model suffixed B)

Door leaf mounted push side and transom mounted pull side (model suffixed G)

4	8	4 3	1	1	3
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Dorma TS 97

Door leaf mounted pull side and transom mounted pull side only

4	8	4 3	1	1	3
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Dorma TS 93 B/G EN 2-5

Door leaf mounted pull side and transom mounted push side (model suffixed B)

Door leaf mounted push side and transom mounted pull side (model suffixed G)

4	8	5 3	1	1	4
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DORMA TS 90, TS 91, TS 92, TS 93, TS 97 and TS 99 OVERHEAD MOUNTED DOOR CLOSERS

Classification codes (continued)

Dorma TS 93 B/G EN 5-7

Door leaf mounted pull side and transom mounted push side (model suffixed B)

Door leaf mounted push side and transom mounted pull side (model suffixed G)

4	8	7 5	1	1	4
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Dorma TS 99 FL EN 2-5 – Standard or Top jamb Installation

Door leaf mounted pull side and transom mounted pull side only

3	8	5 3	1	1	3
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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).