
CERTIFICATE OF APPROVAL

No. CF 140

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:

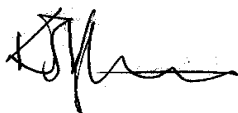
CERTIFIED PRODUCT

**DORMA ITS 96 (2-4)
 DORMA ITS 96 (2-4) Double
 Action
 DORMA ITS 96 (3-6)
 Concealed Overhead
 Mounted Door Closers**

TECHNICAL SCHEDULE

**TS34 - 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 – Impartiality Committee

Issued: 16th October 1995
 Reissued: 23rd April 2010
 Valid to: 30th November 2015

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DORMA ITS96 (2-4) & (3-6) CONCEALED OVERHEAD MOUNTED DOOR CLOSERS

1. Dorma ITS 96 (2-4) Single and Double-action and ITS 96 (3-6) are concealed overhead mounted door closing devices, with adjustable power. The closer includes an external power adjustment and a slide arm channel of maximum length 440mm.
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:-

ITS 96 (2-4)

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

Latched and unlatched door assemblies consisting of metallic faced and edged leaves in hollow metallic frames having fire resistances up to 240 minutes (Codes IMM and MM).

ITS 96 (2-4) Double Action

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 (Codes ITT).

Latched and unlatched door assemblies consisting of metallic faced and edged leaves in hollow metallic frames having fire resistances up to 240 minutes (Codes IMM and MM).

ITS 96 (3-6)

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 (Codes ITT and ITM).

Latched and unlatched door assemblies consisting of metallic faced and edged leaves in hollow metallic frames having fire resistances up to 240 minutes (Codes IMM and MM).

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4. The closers are approved on the basis of:
- i) Initial type testing to EN 1154, BS 476: Part 22: 1987 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 requirements
5. This approval is applicable only to the specified closers used with door assemblies of proven fire resistance (as defined in BS 476: Part 22 and EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154) and including the supplied intumescent protection kit. Failure to supply and install, in the appropriate manner, the intumescent protection kit, will invalidate this certificate of approval.
6. The approval relates to ongoing 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.
7. The door closer bodies shall not be fitted to doorsets without the following intumescent protection:-
- FD30 and FD60 1mm thick intumescent pack (2mm overall)
- The door closer channels shall not be fitted to doorsets without the following intumescent protection: -
- FD30 1mm thick intumescent pack (2mm overall)
FD60 2mm thick intumescent pack (4mm overall)
- For ITM applications only - 1mm thick protection pack, (2mm overall) 2mm thick ISL Therm-a-Strip on top of the closer body and the frame shall also include a 20mm by 2mm Therm-a-Strip seal against the door stop.
- For ITS 96 (2-4) Double Action closer, the closer shall be fitted with the intumescent kit referenced 'ITS 96 Graphite D/A cover strip'.
- The closers shall not include mechanical hold open option.

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

Table 1

For doorsets to Satisfy Approved Document B of UK Building Regulations:

Fire resistance performance as	MM	IMM	TT	ITT	ITM	ITC
FD20	✓	✓	✗	✓	✓	✗
FD30	✓	✓	✗	✓	✓	✗
FD60	✓	✓	✗	✓	✓	✗
FD90	✓	✓	✗	✗	✗	✗
FD120	✓	✓	✗	✗	✗	✗
FD240	✓	✓	✗	✗	✗	✗

Note: ITS 96 (2-4) Double Action is not approved for use in ITM doorsets.
 ITS 96 (3-6) is only acceptable for FD60 ITT and ITM doorsets of minimum 66mm leaf thickness.

Scope of Approval (FD Classifications):

The closers are appropriate to door leaves of the following specification:

30 minutes – 44mm thick minimum (ITS96 (2-4) single & double-action)

30 minutes – 54mm thick minimum (ITS96 (3-6))

60 minutes – 54mm thick minimum timber leaf in a minimum 640 kg/m³ density hardwood frame (ITS 96 (2-4) for double-action)

60 minutes – 54mm thick minimum in a minimum 640 kg/m³ density hardwood or steel door frame when timber door leaves are used (ITS 96 (2-4) only)

60 minutes – 66mm thick minimum with non-combustible sub-facings (ITS 96 (3-6) only)

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Table 2

For doorsets to satisfy classifications given in EN13501-2

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

Note: ITS 96 (3-6) is only acceptable for E60 or EI60 ITT Classifications with doorsets of 66mm minimum leaf thickness.

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



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Scope of Approval (E and EI Classifications, in addition to those given above):

The closers are appropriate to timber based door leaves of the following specifications:
 30 minutes and 60 minutes – The door leaf must contain non-combustible sub-facings and be 54mm thick overall.

60 minutes – The door leaf must contain non-combustible sub-facings and be 66mm thick overall (ITS 96 (3-6) only).

Classification code

The above approval provides the following classifications:

ITS 96 (2-4) Single and Double Action Units

3	8	4 3	1	1	4
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ITS 96 (3-6)

3	8	6 3	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).

