
CERTIFICATE OF APPROVAL

No CF 268

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

DORMA UK LIMITED

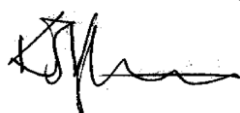
Wilbury Way, Hitchin, Hertfordshire SG4 0AB
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Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
TS71, TS72V & TS72VBC
Overhead Door Closers

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 Exova (UK) Limited trading as
Warrington Certification



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



Issued: 11th December 2001
Reissued: 3rd February 2017
Valid to: 2nd February 2022

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DORMA UK LIMITED

TS71, TS72V & TS72VBC OVERHEAD DOOR CLOSERS

1. The Dorma UK Limited TS71, TS72V and TS72VBC are a range of adjustable power surface mounted overhead door closers. This approval applies to the named models but excludes any mechanical hold open variants. This approval only applies to door leaf mounted closers. It relates to their use with the following door assemblies:
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (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. 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).**
4. The closers are approved on the basis of:
 - i) Initial type testing to EN1154 and BS EN 1634-1: 2000
 - ii) An appraisal against TS34
 - iii) Inspection of quality management system
 - 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 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).
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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7. The following tables show acceptable doorsets types and fire resistance periods:

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

Key:

✓ - approved

✗ - Not approved

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8. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

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.

Classification code

The approval provides the following classifications:

Dorma TS71, TS72V and TS72VBC when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	4 3	1	1	2
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Dorma TS71, TS72V and TS72VBC when mounted in parallel arm (Figure 6).

4	8	3	1	1	2
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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).