



CERTIFICATE OF APPROVAL

No CF 844

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 ED100 and ED250
OVERHEAD DOOR OPERATORS

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 Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued: 28th March 2011
Revised: 4th November 2019
Valid to: 4th May 2021



CERTIFICATE No CF 844 DORMA UK LTD

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

1. DORMA surface mounted overhead door operators providing a door closing function, all units have adjustable power:

	Link-arms			Slide arms			
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face
ED100	✘	✔	✘	✘	✔	✘	✔
ED250	✘	✔	✘	✘	✔	✘	✔

Key: ✔ - approved ✘ - Not approved

Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.

2. 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 consisting of metal faced and edged leaves in metal frames, fully-insulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM)

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in fully-insulated steel frames having a fire resistance up to 120 minutes (Code ITM)

Latched and unlatched, door assemblies consisting of metal faced and edged leaves in metal frames, uninsulated for the required classification period, with or without intumescent sealing, and having a fire resistance up to 240 minutes (Codes MM & IMM) with closers fitted to the fire risk face only*

***The closer must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified**



CERTIFICATE No CF 844

DORMA UK LTD

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

3. This certification is provided to the client for their own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
4. The units are approved on the basis of:
 - i) Initial type testing to the requirements of EN 1154 and EN 1634-1
 - ii) An appraisal against TS34
 - iii) Certification of quality management systems
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with the requirements of EN 1154
5. This approval is applicable only to the specified products 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 door operators shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
7. Where the door operators are fitted to door leaves or frames that are manufactured from mineral composite-based materials, or low-density cellulosic-based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
8. 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.

CERTIFICATE No CF 844 DORMA UK LTD

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

9. The following table show acceptable doorsets types and fire resistance periods for the door operators:

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
- ✓* - **IMPORTANT** - See Section 2 for limitations on application and scope for metal doors and or frames



CERTIFICATE No CF 844

DORMA UK LTD

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

10. 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 door operators may not be fitted to doorsets incorporating timber leaves without leaf/frame edge intumescent protection.
- Mechanical Hold open option is not approved.
- **IMPORTANT** - See Section 2 for limitations on application and scope for the use of the door operators with metal doors and/or frames

Classification codes

The above approval provides the following classifications:

DORMA ED100 in Figure 61 or frame mounted body with slide channel applications only.

3	8	4 3	1	1	0
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DORMA ED250 in Figure 61 or frame mounted body with slide channel applications only.

3	8	6 4	1	1	0
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Page 5 of 6 Signed
C/014

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CERTIFICATE No CF 844
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DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

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).

Page 6 of 6 Signed
C/014

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