



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

Dormakaba UK Ltd
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: 16th January 2023
Valid to: 23rd March 2026



Page 1 of 7



CERTIFICATE No CF 844

Dormakaba 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 predominantly steel leaves in steel frames, fully-insulated for the required classification period (as defined by BS EN 1634-1:2014+A1:2018 or BS 476: Part 22: 1987), 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 predominantly steel leaves in steel frames, uninsulated for the required classification period (as defined by BS EN 1634-1:2014+A1:2018 or BS 476: Part 22: 1987), 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

Dormakaba 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, DIN 18263-4 and BS EN 1634-1:2014+A1:2018
 - 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. EN1634-1 was issued originally in 2000, with amended versions issued in 2008, 2014 and 2018. The differences between each version are mainly procedural and are not considered to have a practical impact on the performance of the samples under test. On this basis this evaluation is consider applicable to all versions of EN1634-1 issued prior to the issue of this assessment.
6. 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).
7. The door operators shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
8. Where the door operators are fitted to door leaves or frames that are manufactured from mineral-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.
9. dormakaba LZR FLATSCAN 3D SW and LZR FLATSCAN SW safety sensors with FDA door adapter are approved for use on both faces of ITT doors of up to 60 minute performance. Installation includes a maximum 7 mm hole through the face of the door to accommodate a 5 mm diameter cable and a minimum 0.6 mm thick Interdens intumescent sheet lining the hole to the full thickness of the door.



CERTIFICATE No CF 844

Dormakaba UK Ltd

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

10. dormakaba IRS-4 safety sensors (350 mm and 1200 mm) with FDA interface are approved for use on both faces of ITT doors of up to 60 minute performance. Installation includes a maximum 8.5 mm hole through the face of the door to accommodate the 5.25 mm diameter master cable and a maximum 7 mm hole through the face of the door to accommodate the 4.25 mm diameter link cable; both holes are protected by a minimum 0.6 mm thick Interdens intumescent sheet lining the hole to the full thickness of the door.
11. ITT 30 and 60 minute doorsets shall be installed in accordance with BS 8214.
12. 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.

Page 4 of 7 Signed
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CERTIFICATE No CF 844 Dormakaba UK Ltd

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

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

Class	Approved Door Type			
	IMM	MM	ITT	ITM
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 steel doors and or frames





CERTIFICATE No CF 844

Dormakaba UK Ltd

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

14. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

Code MM - 20 minute to 120 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 minute to 120 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- 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 steel doors and/or frames
- Operators are approved for use on both sides of fully insulated steel-based doors
- Operators are approved for use on uninsulated steel-based doors and frames on the fire risk face only. **The operator must not be used in this application where a specific direction of fire exposure for the doorset cannot be identified**
- dormakaba LZR FLATSCAN 3D SW and LZR FLATSCAN SW safety sensors with FDA door adapter and IRS-4 safety sensors (350 mm and 1200 mm) with FDA interface are approved for use on both faces of ITT doors of up to 60 minute performance.



CERTIFICATE No CF 844

Dormakaba UK Ltd

DORMA ED100 and ED250 OVERHEAD DOOR OPERATORS

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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Further Information

Further information regarding the details contained in this data sheet may be obtained from dormakaba UK Ltd (Tel: 01462 477600).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).