certifire

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

dormakaba UK Ltd

Lowermoor Way, Tiverton, Devon EX16 6SS, United Kingdom
Tel: 01884 256464

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
dormakaba ITS 96 Concealed Overhead Mounted Door Closers	TS34 – 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: 16th October 1995
Reissued: 22nd September 2025
Valid to: 23rd October 2030

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1. 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.

2. dormakaba ITS 96 (2-4), ITS 96 (3-6) and ITS 96 FL (3-6) are single-action concealed overhead mounted door closing devices, with adjustable power. The closer includes an external power adjustment and a slide arm channel of maximum length 527 mm. The approval applies to the following configurations:

	ITS 96 (2-4)	*ITS 96 (3-6)*	*ITS 96FL (3-6)*
Single-action	✓	✓	✓
Double-action	✗	✗	✗
Body door mounted in top edge	✓	✓	✓
Body transom mounted	✗	✗	✗

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.

3. This approval relates to their use with the following door assemblies: -

Code ITT - 30 minute to 60 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames*.

Code MM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.**

Code IMM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.**

** The ITS 96 (3-6) and ITS 96 FL (3-6) closers are only approved for use with ITT 20 and ITT 30 door assemblies with a minimum door leaf thickness of 54 mm.*

*** The ITS 96 FL is not approved for use with MM/IMM doorsets.*

4. The closer is approved on the basis of:

i) Initial type testing to EN1154 and BS EN 1634-1
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

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5. This approval relates to the use of the above closers in contributing to the fire resistance performance of timber based doorsets, as defined in BS EN 1634-1:2014+A1:2018 or BS 476-22: 1987.

6. This approval is applicable only to the specified closers used with door assemblies that are CERTIFIRE approved or have achieved the appropriate fire resistance performance when tested at a laboratory accredited to IS/IEC 17025 (under International Laboratory accreditation Cooperation (ILAC) membership), in accordance with BS 476: Part 22: 1987 and/or BS 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 manufacturer's supplied intumescent protection kit. Failure to install the intumescent protection identified in section 10 will invalidate this certificate.

7. The closer shall only be fitted to doorsets which have previously been shown capable of accommodating the installation of similar concealed items at the head of the doorset, without detriment to the doorset's performance.

8. The closers shall be fixed with screws supplied by the closer manufacturer.

9. The critical aspects of the doorset construction are considered to be the material of the door frame, the leaf to frame clearance gaps and the lipping material. Attention should be paid to these details, and these should not be amended from that previously fire tested.

10. This approval relates to the above closers used with latched or unlatched single-leaf or double-leaf, assemblies consisting of timber faced and edged leaves with timber/cellulosic cores and in timber frames:

    a. ITS 96 (2-4), ITS 96 (3-6) and ITS 96FL (3-6) closers with G 96 N20 and G 96 N slide channels, are approved for **20 or 30 minutes**, single-action doorsets of the following specification (Code ITT):
        i. Door leaves shall not be less than 44 mm thick doors for size 2-4 units, and 54 mm thick doors for size 3-6 and ITS 96 FL units.
        ii. The door frame shall consist of softwood or hardwood with a minimum density of 510 kg/m³ and with a minimum section size of 32 mm thick (excluding the stop).
        iii. The closer shall be fitted with intumescent protection in the form of Mono ammonium phosphate sheet material as follows:
            - 1 mm thickness fully lining the mortices cut into the top edge of the door leaf to accommodate the closer body and behind the closer faceplate.
            - 1 mm thickness fully lining the mortice cut into the frame head member to accommodate the slide channel assembly.

    b. ITS 96 (2-4) and ITS 96 (3-6) closers with G 96 EMF slide channels, are approved for **20 or 30 minutes** single-action doorsets of the following specification (Code ITT):
        i. Door leaves shall not be less than 44 mm thick doors for size 2-4 units, and 54 mm thick doors for size 3-6.
        ii. The door frame shall consist of softwood or hardwood with a minimum density of 510 kg/m³ and with a minimum section size of 32 mm thick (excluding the stop)

iii. The closer shall be fitted with intumescent protection in the form of Mono ammonium phosphate sheet material as follows:
- 1 mm thickness fully lining the mortice cut into the top edge of the door leaf to accommodate the closer body and behind the closer faceplate.
- 2 mm thickness fully lining the mortice cut into the frame head member to accommodate the slide channel assembly.

c. ITS 96 (2-4), ITS 96 (3-6) and ITS 96FL (3-6) closers with G 96 N20 slide channels, are approved for **60 minutes** single-action doorsets of the following specification (Code ITT):
i. Door leaves shall not be less than 54 mm thick doors.
ii. The door frame shall consist of hardwood with a minimum density of 640 kg/m³ and with a minimum section size of 32 mm thick (excluding the stop).
- For the G 96 EMF and G 96 N slide channels, where the frame head is less than 44 mm thick (excluding the stop) adequate fixing shall be made into the lintel

iii. The closer shall be fitted with intumescent protection in the form of Mono ammonium phosphate sheet material as follows:
- 1 mm thickness fully lining the mortices cut into the top edge of the door leaf to accommodate the closer body and behind the closer faceplate.
- 2 mm thickness fully lining the mortice cut into the frame head member to accommodate the slide channel assembly.

iv. In addition the perimeter intumescent fire seals within the door or frame shall by-pass the slide channel and intumescent protection by a minimum of 12mm on the opening side of the rebate.

d. ITS 96 (2-4) and ITS 96 (3-6) closers, with G 96 EMF and G 96 N slide channels, are approved for **60 minutes** single-action doorsets of the following specification (Code ITT):
i. Door leaves shall be not less than 54 mm thick doors
ii. The door frame shall consist of hardwood with a minimum density of 640 kg/m³ and with a minimum section size of 32 mm thick (excluding the stop)
iii. Guiderail shall only be fitted offset towards the frame stop.
iv. The closer shall be fitted with intumescent protection in the form of Mono ammonium phosphate sheet material as follows:
- 1 mm thickness fully lining the mortice cut into the top edge of the door leaf to accommodate the closer body and behind the closer faceplate.
- 2 mm thickness fully lining the mortice cut into the frame head member to accommodate the slide channel assembly.

v. In addition the perimeter intumescent fire seals within the door or frame shall by-pass the slide channel and intumescent protection by a minimum of 12 mm on the opening side of the rebate

11. This approval relates to the above closers used with latched or unlatched single-leaf or double-leaf, assemblies consisting of steel faced and edged leaves with mineral fibre or paper honeycomb cores in steel frames:

e. ITS 96 (2-4) and ITS 96 (3-6) closers, and G 96 N20 and G 96 N slide channels, are approved for single-action doorsets up to **240 minutes** of the following specification (Code MM/IMM):
   i. Door leaves shall not less than 45 mm thick doors.
   ii. No additional intumescent protection required

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

	Approved Door Type			
Class	**IMM**	**MM**	**ITT**	**ITM**
BS476-22				
FD20	✓*	✓*	✓**	✗
FD30	✓*	✓*	✓**	✗
FD60	✓*	✓*	✓	✗
FD90	✓*	✓*	✗	✗
FD120	✓*	✓*	✗	✗
FD240	✓*	✓*	✗	✗
EN1634-1				
Integrity only	**IMM**	**MM**	**ITT**	**ITM**
20	✓*	✓*	✓**	✗
30	✓*	✓*	✓**	✗
60	✓*	✓*	✓	✗
90	✓*	✓*	✗	✗
120	✓*	✓*	✗	✗
240	✓*	✓*	✗	✗
Integrity/insulation	**IMM**	**MM**	**ITT**	**ITM**
20	✓*	✓*	✓**	✗
30	✓*	✓*	✓**	✗
60	✓*	✓*	✓	✗
90	✓*	✓*	✗	✗
120	✓*	✓*	✗	✗
240	✓*	✓*	✗	✗

Key:

✓ - *Approved*

✗ - *Not approved*

✓* *The ITS 96 FL is not approved for use with MM/IMM doorsets*

✓** *The ITS 96 (3-6) and ITS 96 FL (3-6) closers are only approved for use with ITT20 and ITT30 door assemblies with a minimum door leaf thickness of 54 mm.*

14. Doors are categorised as the following types:

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Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

Code ITM - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in steel frames.

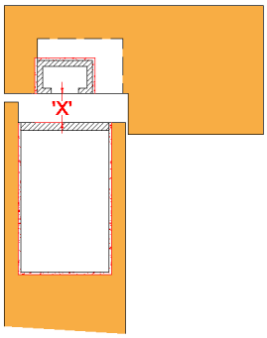
Code MM - 20 to 240 minute door assemblies consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 to 240 minute door assemblies consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

Scope of Approval

- The following specific slide channels and applications are approved for use with the ITS 96 concealed closers:

Product reference	Application		
	ITT20/30	***ITT60***	***MM/IMM240***
G 96 N20 (440 mm long x 20 mm wide x 12 mm deep)	Yes	Yes	Yes
G 96 N (440 mm long x 31 mm wide x 20 mm deep)	Yes	Yes	Yes
G 96 EMF (527 mm long x 31 mm wide x 30 mm deep)	Yes	Yes	No



- Approved gap 'X' between top of closer and underside of slide channel is as follows:
  - G 96 N20 - 8.5 mm & 10 mm for ITT30, ITT60 and MM/IMM applications
  - G96N reversible arm - 12 mm for ITT30, ITT60 and MM/IMM applications.
  - G 96 EMF - 8.5 mm & 10 mm for ITT30 and ITT60 applications.
- For the G 96 EMF and G 96 N slide channels, where the frame head of ITT doorsets is less than 44 mm thick (excluding the stop) adequate fixing shall be made into the lintel.

- The closer shall not be fitted to timber-based doorsets without intumescent protection.
- Hold open option is not approved.
- The ITS 96 (3-6) and ITS 96 FL (3-6) closers are only approved for use with ITT 20 or ITT 30 door assemblies with a minimum door leaf thickness of 54 mm.
- The ITS 96 FL free-swing closer is not approved for use with MM/IMM doorsets.

Scope of Approval – Cont'd

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- The following functions are supported by this certification:

Closer Ref.	Backcheck	Delayed-Action	Latch Control
ITS 96 (2-4)	No	No	Yes
ITS 96 (3-6)	No	No	Yes
ITS 96 FL (3-6)	No	No	Yes

Classification code

The above approval provides the following classifications:

ITS 96 (2-4):

3	**8**	**4 2**	**1**	**1**	**4**

ITS 96 (3-6):

3	**8**	**6 3**	**1**	**1**	**4**

ITS 96 FL (3-6):

3	**8**	**6 3**	**1**	**1**	**4**

Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

Further Information

Further information regarding the details contained in this data sheet may be obtained from dormakaba UK Ltd (Tel: 01884 256464).

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