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## CERTIFICATE OF APPROVAL

### No CF 5254

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

## BOSS DOOR CONTROLS

**3 & 4 Rutherford Square, Brucefield Industry Park,  
Livingston, West Lothian, EH54 9BU**  
Tel: 01506 467477 Fax: 01506 467478

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

**BOSS TS3.003 & TS3.004  
FLOOR SPRING 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 Warringtonfire Testing and Certification Limited**

**Paul Duggan  
Certification Manager**

Issued: 21<sup>st</sup> May 2014  
Reissued: 3<sup>rd</sup> July 2020  
Valid to: 2<sup>nd</sup> July 2025



## CERTIFICATE No CF 5254 BOSS DOOR CONTROLS

### BOSS DOOR FLOOR SPRINGS - TS3.003 & TS3.004

1. This approval applies to Boss floor spring models TS3.003 & TS3.004, but excludes any mechanical hold open variants. The approval applies to the following configurations:

	TS3.003	TS3.004
Single-action	x	x
Double-action	✓	✓

**Key:** ✓ - approved      x - Not approved

*Note: configurations are restricted to specific door assembly/doorset types as identified later in this certificate.*

2. 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.
3. This approval relates to their use with the following door assemblies: -
- Latched and unlatched, intumescent sealed, double-action door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 30 minutes (CERTIFIRE Code - ITT).**
4. The closers are 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
5. This approval is applicable only to the specified closers used in the specific configuration or mounting arrangement, as indicated in the approval matrix, 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 BS EN 1154).



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### BOSS DOOR CONTROLS

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#### BOSS DOOR FLOOR SPRINGS - TS3.003 & TS3.004

6. This approval does not cover models with a mechanical hold open facility.
7. This approval relates to the above floor springs used with latched or unlatched single-leaf or double-leaf, double-action door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores and in timber frames:
  - a. FD20 and FD30 applications (Code ITT)
    - i. Door leaves shall not be less than 44 mm thick.
    - ii. The door frame shall consist of timber no less than 44 mm thick with a minimum density of 510 kg/m<sup>3</sup>.
    - iii. The top pivot must be bedded on a 2 mm thickness of mono ammonium phosphate intumescent material to all faces of recess in both the frame head and top edge of the door,
    - iv. The bottom strap must be bedded on a minimum of 2 mm thickness of mono ammonium phosphate intumescent material to all faces of recess

*Note: Failure to install the intumescent protection will invalidate this certificate.*

8. The closers may only be fitted to previously tested door assemblies when fitted in the manner described in this certificate and when particular aspects of the door assembly are maintained.
9. Accessories shall only be fitted using the fixings supplied by the floor spring manufacturer. Regard should be paid to the maximum door mass permitted to be used with the floor spring (see classifications).
10. The doorset, including door frame and associated building hardware, should be either CERTIFIRE approved for the relevant application and classification or the doorset, including door frame and associated building hardware, should have achieved at least the required period of fire resistance when tested, or subsequently assessed to EN 1634-1. In either case regard should be paid to the maximum door mass permitted for use with the closer (see classifications).
11. Timber doorset shall be installed in accordance with BS 8214.
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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### BOSS DOOR FLOOR SPRINGS - TS3.003 & TS3.004

13. The following table shows acceptable doorsets types and fire resistance periods:

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	x	x	✓	x	x
FD30	x	x	✓	x	x
FD60	x	x	x	x	x
FD120	x	x	x	x	x
FD240	x	x	x	x	x
E 20	x	x	x	x	x
EI 20	x	x	x	x	x
E 30	x	x	x	x	x
EI 30	x	x	x	x	x
E 60	x	x	x	x	x
EI 60	x	x	x	x	x
E 90	x	x	x	x	x
EI 90	x	x	x	x	x
E 120	x	x	x	x	x
EI 120	x	x	x	x	x
E 240	x	x	x	x	x
EI 240	x	x	x	x	x

**Key:**

- ✓ - Approved
- x - Not approved





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### BOSS DOOR CONTROLS

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#### BOSS DOOR FLOOR SPRINGS - TS3.003 & TS3.004

14. 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.

#### Classification codes

The approval provides the following classifications:

T3.003 in standard floor mount application:

3	8	3	1	1	3
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TS3.004 in standard floor mount application:

3	8	4	1	1	3
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#### Scope of Approval:

- The floor springs may not be fitted to timber doorsets without perimeter intumescent fire seals.
- The TS3.003 and TS3.004 are approved for use in standard floor mount fixing application only.
- The floor spring closers are only approved in double-action configuration.

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### BOSS DOOR FLOOR SPRINGS - TS3.003 & TS3.004

#### Scope of Approval – Cont'd:

- The mortises provided to the door leaf and frame of ITT doorsets for the installation of the floor spring's pivot accessories shall be provided with a 2 mm thick lining of Interdens intumescent sheet material as detailed in Section 7.
- Mechanical Hold open option is not approved
- Backcheck and delayed-action functions are not supported by this certification:

Floor spring Ref.	Backcheck	Delayed-Action
TS3.003	x	x
TS3.004	x	x

- ✓ - Approved  
x - Not approved

#### Further Information

Further information regarding the details contained in this data sheet may be obtained from Boss Door Controls (Tel: 01506 467477).

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

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