



CERTIFICATE OF APPROVAL

No CF 5292

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

ALLEGION (UK) LIMITED

Bescot Crescent, Walsall, WS1 4DL
Tel: 01922 707400

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

**Briton 2420.T Concealed door
 closer**

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 CERTIFIRE



Sir Ken Knight
 Chairman – Impartiality Committee

Issued: 14th January 2015
 Revised: 20th August 2015
 Valid to: 13th January 2020

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ALLEGION (UK) LIMITED

BRITON 2420.T CONCEALED OVERHEAD DOOR CLOSER

1. This approval applies to the BRITON 2420.T concealed overhead door closer model but excludes any mechanical hold open variants.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D of the Technical Standards (Scotland), 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 its 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 of 30 minutes (Code ITT).

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 of 60 minutes (Code ITT).

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with mineral cores in mineral cored, timber faced frames having a fire resistance of 90 minutes (Code ITT).
4. The closer is approved on the basis of:
 - i) Initial type testing to BS EN 1154 and BS EN 1634-1
 - ii) An appraisal against TS34
 - iii) Certification of quality management system.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with EN 1154 requirements
5. This approval is applicable only to the specified closer when mounted with its body concealed within the door leaf and its guide arm channel mounted to the head of the door frame, when fitted with the specified intumescent protection kit and 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 BS EN 1154).
6. The closer shall be fitted with intumescent protection in the form of 2 mm thick Interdens sheet material fully lining the mortices cut into the head of the door leaf and top frame member to accommodate the closer body and guide channel assembly. Allegion (UK) Ltd provides an intumescent protection kit referenced 2420.IP. Failure to install this intumescent protection in the appropriate manner will invalidate this approval.

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7. The approval relates to on-going production. The product and/or its immediate packaging are 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.
8. The following table show acceptable doorset types and fire resistance periods:

Class	Approved Door Type					
	IMM	MM	TT	ITT	ITM	ITC
FD20	x	x	x	x	x	x
FD30	x	x	x	✓	x	x
FD60	x	x	x	✓	x	x
FD90	x	x	x	✓	x	x
FD120	x	x	x	x	x	x
FD240	x	x	x	x	x	x
E 20	x	x	x	x	x	x
EI 20	x	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	x
EI 120	x	x	x	x	x	x
E 240	x	x	x	x	x	x
EI 240	x	x	x	x	x	x

See CERTIFIRE Technical Schedules for designation of doorset types i.e. IMM etc.

Scope of Approval:

- The closer may not be fitted to fire doorsets without intumescent protection.
- The closer and its guide channel shall only be fitted in conjunction with the intumescent protection detailed previously in this certificate.

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BRITON 2420.T CONCEALED OVERHEAD DOOR CLOSER

Scope of Approval (continued):

- 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.
- 30 minute doorsets shall incorporate a door leaf having a minimum thickness of 44 mm and shall incorporate a door frame having a minimum density of 450 kg/m³.
- 60 minute doorsets shall incorporate a timber door leaf having a minimum thickness of 54 mm and shall incorporate a hardwood door frame having a minimum density of 650 kg/m³.
- 90 minute doorsets shall incorporate a mineral cored door leaf having a minimum thickness of 58 mm and shall incorporate a door frame of a mineral cored construction having minimum (core) section sizes of 90 mm deep by 42 mm thick.

Classification codes:

Standard door mount application only.

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Further Information

Further information regarding the details contained in this certificate may be obtained from Allegion (UK) Ltd (Tel: 01922 707400).

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