



CERTIFICATE OF APPROVAL

No CF5965

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

JELD-WEN UK LIMITED

Retford Road, Woodhouse Mill, Sheffield, S13 9WH
Tel: 0114 254 2000

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

44 mm Securefit PAS 24
Timber Doorset
(with flush and moulded facings).
Laminated Core

TECHNICAL SCHEDULE

TS10 Fire Resisting Door
Assemblies with Non Metallic
Leaves

Enhanced Security certified to STS201 under CERTISECURE
certificate CS5059

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager



Issued: 19th May 2021
Revised: 20th January 2023
Valid to: 18th May 2026



CERTIFICATE No CF5965 JELD-WEN UK LIMITED

JELD-WEN UK LIMITED - 44 mm Securefit PAS 24 Timber Doorset

This approval relates to the use of the above doorsets in providing fire resistance of 30 minutes insulation and 30 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doorsets would be expected to meet the relevant requirements of BS 9999 for 30 minute doorsets when used in accordance with the provisions therein.

The doorset designs described in this certificate could therefore be given an 'FD30' notation, as defined in BS 8214: 2016. Please note the 'FD' notation only indicates integrity performance to BS 476: Part 22: 1987. Specific performance requirements for doorsets are set out in the relevant building regulations.

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. The doorsets are approved on the basis of:
 - i) Initial type testing
 - ii) A design appraisal against TS10
 - iii) Inspection and surveillance of factory production control
 - iv) Certification under a CERTIFIRE approved Quality Management System
 - v) Audit testing in accordance with TS10
3. The doorsets comprise cellulosic laminboard cored, chipboard framed, timber leaves, for use with timber frames, with intumescent edge seals (code ITT FD30).
4. This approval is applicable to complete doorsets. It is a condition of this approval that an agreed Data Sheet accompanies the product and is complied with in its entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the doorset.
5. This approval is applicable to single-acting, single-leaf, unglazed, latched open in or open out, ITT doorsets with or without coupled sidelights and toplights, at leaf dimensions up to those given in Table 1 & Table 2 below:

Doorset configuration	Max. Height (mm)	Max. Width (mm)	Area (m ²)
Single-Acting, Single-Leaf Latched - Open in	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²
Single-Acting, Single-Leaf Latched - Open out (Cooke Brothers hinge and ERA Invincible lock only)	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²

Table 1.

Note: Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

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Issued: 19th May 2021
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CERTIFICATE No CF5965 JELD-WEN UK LIMITED

JELD-WEN UK LIMITED - 44 mm Securefit PAS 24 Timber Doorset

Doorset configuration	Max. Frame Height (mm)	Max. Frame Width (mm)
Single-Acting, Single-Leaf Latched <u>Without sidelights and toplights</u>	2108 mm high (at 1018 mm wide)	1018 mm wide (at 2108 mm high)
Single-Acting, Single-Leaf Latched <u>With sidelights and toplights*</u> (Frame option 3 only)	2600 mm high	2600 mm wide

Table 2.

Note: Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

*Ensuring maximum leaf and glass sizes are not exceeded

6. Glazing shall not be included within these doorsets.
7. Hardware items, including closing devices and intumescent fire seals, shall as specified in the Data Sheet.
8. The doorsets shall be mechanically fixed to wall constructions having a fire resistance of at least 30 minutes.
9. Labels to the CERTIFIRE/CERTISECURE design referencing CERTIFIRE, CERTISECURE, FD30, PAS24 D, JELD-WEN (UK) Ltd, CERTIFIRE certificate No. CF 5965 and CERTISECURE certificate No. CS 5059 shall be affixed to each doorset in the prescribed position.
10. This 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 when appropriate.

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CF5965 DATA SHEET

1. General

This doorset has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of 30 minutes integrity and 30 minutes insulation as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions. Subject to these, the doorset will meet the relevant requirements of BS 9999 for 30 minutes when used in accordance with the provisions therein.

The doorset designs described in this certificate could therefore be given an 'FD30' notation, as defined in BS 8214: 2016. Please note the 'FD' notation only indicates integrity performance to BS 476: Part 22: 1987. Specific performance requirements for doorsets are set out in the relevant building regulations

In recognition of this, the leaf carries a prefixed label on the top or hanging edge of the door, issued under the terms of the CERTIFIRE scheme. This label uniquely identifies the doorset, the manufacture of which complies with a CERTIFIRE approved Quality Management System and is subject to on-going surveillance. **This label shall not be removed.**

It is emphasised that the certification is conditional upon the following instructions being complied with in their entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the doorset. Doorsets supplied pre-fitted with components by Jeld-Wen UK Limited may be considered to meet the requirements in respect of those items.

2. Door Leaf Dimensions

This approval is applicable to single-action, single-leaf, latched, assemblies at leaf dimensions up to those detailed within Table 1 & Table 2 below:

Doorset configuration	Maximum Height (mm)	Maximum Width (mm)	Area (m ²)
Single-Acting, Single-Leaf Latched - Open in	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²
Single-Acting, Single-Leaf Latched - Open out (Cooke Brothers hinge and ERA Invincible lock only)	2040 mm high (at 926 mm wide)	926 mm wide (at 2040 mm high)	1.89 m ²
Table 1.			

Doorset configuration	Max. Frame Height (mm)	Max. Frame Width (mm)
Single-Acting, Single-Leaf Latched Without sidelights and toplights	2108 mm high (at 1018 mm wide)	1018 mm wide (at 2108 mm high)
Single-Acting, Single-Leaf Latched With sidelights and toplights* (Frame option 3 only)	2600 mm high	2600 mm wide
Table 2.		

Note: Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

*Ensuring maximum leaf and glass sizes are not exceeded

3. Door Frame

To be in accordance with the following specification:

Option 1	
Material	Softwood (solid or clear engineered tri-laminated and finger jointed material)
Density:	500 kg/m ³ min.
Dimensions:	66 mm wide by 56 mm thick with a 48 mm wide by 13 mm deep rebate.

Option 2	
Material	Hardwood (solid)
Density:	500 kg/m ³ min.
Dimensions:	66 mm wide by 56 mm thick with a 48 mm wide by 13 mm deep rebate.

Alternatively, frames shall comply with the following specification:

Option 3	
Material	Softwood (solid or clear engineered tri-laminated and finger jointed material)
Density:	500 kg/m ³ min.
Dimensions:	66 mm wide by 52 mm thick with a 48 mm wide by 20 mm deep rebate or 95 mm wide by 52 mm thick with a 48 mm wide by 20 mm deep rebate

All frames will comply with the following requirements:

Jointing:	Mortice and tenon joint, screwed, and glued, screw fixed with 2 No. 5 mm by 70 mm hardened single thread woodscrew	
Door to frame gaps:	Top and vertical edges	Not to exceed 4 mm.
	Threshold – With LAS8001SI dropseal	Not to exceed 11 mm.

4. Overpanels / Sidepanels

Not permitted.

5. Glazed Toplights & Sidelights

Toplight / Sidelight Framing:	
Manufacturer:	Jeld-Wen UK
Reference:	FD30 Head
Material:	Softwood (solid or clear engineered tri-laminated and finger jointed material)
Density:	500 kg/m ³ minimum
Dimensions:	66 mm wide by 52 mm thick with a 48 mm wide by 20 mm deep rebate or 95 mm wide by 52 mm thick with a 48 mm wide by 20 mm deep rebate
Fixing Method:	Mortice and tenon joint, screwed and glued using 2 No 5 mm Ø by 70 mm long hardened single thread woodscrews and HB Fuller Rakol Eco 3 Plus adhesive.

Sidelight Framing – T Section:	
Manufacturer:	Jeld-Wen UK
Reference:	FD30 T Head
Material:	Softwood (solid or clear engineered tri-laminated and finger jointed material)
Density:	500 kg/m ³ minimum
Dimensions:	48 mm wide by 70 mm thick with a 30 mm wide by 20 mm deep rebate or 77 mm wide by 70 mm thick with a 30 mm wide by 20 mm deep rebate.
Fixing Method:	T-Section mulled to door frame and fixed into position using 7No 4.2 mm Ø by 38 mm long woodscrews at 300 mm centres, 100 mm from the corners.

Coupled Sidelight / Toplight Fixings:	
Supplier:	Timber Mate Fastners
Description:	Pozi double CSK head wood screws
Reference:	Woodscrews
Dimensions:	4.2 mm Ø by 50 mm long
Position:	Screwed at 300 mm centres, 100 mm from the corners.

Sidelight Frame - Midrail:	
Manufacturer:	Jeld-Wen UK
Reference:	FD30 Direct Mulled Midrail Sidelight
Material:	Softwood (solid or clear engineered tri-laminated and finger jointed material)
Density:	500 kg/m ³ minimum
Dimensions:	66 mm wide by 150 mm thick with a 48 mm wide by 20 mm deep rebate.
Fixing Method:	Midrail butt jointed to mullion and frame, screwed and glued using 2No 4.2 mm Ø by 70 mm long CSK woodscrews (each side) and HB Fuller Rakol Eco 3 Plus adhesive.

Toplight / Sidelight – Glazing option 1 – Insulated Glass		
Supplier:	CGI International	
Configuration:	Pyroguard T-EI30/16-1 VF 4 mm / 0.76 mm PVB / 4 mm. Performance to EN356 P1A 5 mm gel layer 1No. 6 mm T-EI30 16-1 VF Fire glass	
Thickness:	19 mm	
Maximum pane dimensions:	Sidelight option 1:	2526 mm high by 480 mm wide (1.21 m ²)
	Sidelight option 2:	2020 mm high by 990 mm wide (2.00 m ²)
	Toplight:	432 mm high by 1972 mm wide (0.85 m ²)
	Subject to a maximum glazing edge perimeter of 16.48m	
Nominal edge clearance:	5 mm	

Setting Blocks:	
Supplier:	Ram Extrusions
Reference:	Blue 60
Description:	Glazing packers
Dimensions:	4.8 mm by 100 mm by 15 mm

Glazing System:	
Supplier:	Sealmaster
Description:	Intumescent closed cell Tape – CF5645
Reference:	CFT
Dimensions:	15 mm by 3 mm
Fixing Method:	Self-adhesive, applied to rebate and glazing bead

Toplight / Sidelight – Glazing option 2 – Non-insulated Glass		
Supplier:	CGI International	
Configuration:	Pyroguard EW30/6 VF RV 6 mm / 0.76 mm PVB / 6 mm. Performance to EN356 P1A	
Thickness:	13 mm	
Maximum pane dimensions:	Sidelight option 1:	2516 mm high by 470 mm wide (1.18 m ²)
	Sidelight option 2:	2010 mm high by 980 mm wide (1.97 m ²)
	Toplight:	422 mm high by 1962 mm wide (0.83 m ²)
	Subject to a maximum glazing edge perimeter of 16.48m	
Nominal edge clearance:	10 mm	
Setting Blocks:		
Supplier:	Ram Extrusions	
Reference:	Blue 60	
Description:	Glazing packers	
Dimensions:	2No 5 mm by 100 mm by 10 mm (to provide 10 mm packer depth)	
Glazing System:		
Supplier:	Sealmaster	
Description:	Intumescent Foam Tape - CF5387	
Reference:	GTR	
Dimensions:	20 mm by 5 mm	
Fixing Method:	Self-adhesive, applied to rebate and glazing bead	

Glazing Beads:	
Glazing method:	Externally beaded
Supplier:	Jeld-Wen UK
Reference:	Splayed Flush Bead
Material:	Red Grandis Hardwood
Density:	570 kg/m ³ minimum
Dimensions:	20 mm by 24 mm
Fixing Method:	4 mm Ø by 40 mm long CS security screws, at maximum 150 mm centres, maximum 50 mm in from the corners.

6. Supporting Construction

The doorsets are approved to be installed in brick, block, masonry, timber, or steel stud of minimum thickness 85 mm, providing at least 30 minutes fire resistance. Where stud partitions are used these should be suitably constructed to provide a secure fixing for the doorsets, as recommended by the partition manufacturer.

7. Installation

The opening may be lined with softwood or hardwood which shall be continuous and of minimum width, 85mm. Each door frame jamb to be fixed through to the wall at not less than four points with steel or nylon fixings at maximum 600 mm centres penetrating the wall to at least 50 mm. Architraves are optional with no restrictions on material, size or fixing.

Doorsets shall be installed as stated in BS 8214. Suitable CERTIFIRE approved lineal gap sealing systems may also be utilised to protect the frame/supporting construction gap, subject to the conditions contained within the relevant certificate.

Plastic packers of varying thickness may be utilised at the frame fixing positions, subject to the packers being fully concealed by the application of a 10 mm deep intumescent mastic capping to both faces. Packers will be cut back as necessary to accommodate the 10 mm deep intumescent mastic capping required.

The use of third party accredited installers provides a means of ensuring that installations have been conducted by knowledgeable contractors, to appropriate standards, thereby increasing the reliability of the anticipated performance in fire.

The bottom edge of the door leaf may be trimmed without limit, providing lippings are not fitted. Where the bottom door edge is lipped, it shall be trimmed by a maximum of 3 mm.

Note that the maximum door to threshold gaps specified shall not be exceeded.

Top and vertical leaf edges shall not be trimmed.

8. Glazed Apertures

Not permitted.

9. Intumescent Seals

CERTIFIRE certificated intumescent seals are required to be fitted to these doorsets as below.

For doorsets to BS476: Part 22 – 30 Minutes Integrity with Timber frames.

Door Assembly Configuration*	Position	Required Intumescent Protection
Single-acting Single-leaf Latched	Frame Head	Single 20 mm wide by 4 mm thick Lorient Polyproducts 'Type 617' Finesse seals positioned centrally within the frame reveal
	Frame Jambs	Single 20 mm wide by 4 mm thick Lorient Polyproducts 'Type 617' Finesse seals positioned centrally within the frame reveal

*See Table 1 for size restrictions

Intumescent strips cannot be changed from the specific size, type and location specified in the table above.

Smoke seals may be included subject to the conditions contained within the relevant CERTIFIRE certificate for the smoke seal.

Seals may be interrupted at hinge and latch positions.

10. Door frame Seals

The Q-Lon seal referenced Aquamac 21 is required to be fitted within the frame jambs and head to all doorsets, mounted on the stop such that the door leaf perimeter edges contact the seal when the door is in the closed position.

The Aquamac 21 seal shall not be interrupted by the hardware.

11. Hinges

Hinges shall be CE marked against EN 1935 for use on 30 minute timber fire doorsets in accordance with the following specifications:

Hinge Option 1:	May be used with lock option 1, 2 & 3	
Supplier:	Cooke Brothers Ltd (JW branded)	
Description:	Grade 13 hinge	
Reference:	7730	
CERTIFIRE No.	CF351	
Quantity:	3	
Hinge Positions:*	Top hinge:	150 mm from top of door to top of hinge
	Middle hinge:	960 mm from top of door to top of hinge
	Bottom hinge:	1690 mm from top of door to top of hinge
	* The datum in all cases is the top of the hinge.	
Dimensions:	Blade height:	101.6 mm
	Blade width:	30.2 mm
	Blade thickness:	3 mm (± 0.25 mm)
	Knuckle \varnothing :	13 mm
Fixings:	Quantity:	5 No. steel CSK wood screws per blade
	Size:	4.9 mm \varnothing by 37.5 mm long screws
Intumescent protection:	None required	

Hinge Option 2:	Shall be used with lock option 2 & 3 only (open in doorsets only – doors open away from attack)	
Supplier:	Zoo Hardware	
Description:	Grade 13 hinge	
Reference:	ZHSS243RS / ZHSS243RP / ZHSS243RPPVD	
Quantity:	3	
Hinge Positions:*	Top hinge:	150 mm from top of door to top of hinge
	Middle hinge:	960 mm from top of door to top of hinge
	Bottom hinge:	1690 mm from top of door to top of hinge
	* The datum in all cases is the top of the hinge.	
Dimensions:	Blade height:	102 mm
	Blade width:	30.2 mm
	Blade thickness:	3 mm (± 0.25 mm)
	Knuckle \varnothing :	13 mm
Fixings:	Quantity:	4 No. steel CSK wood screws per blade
	Size:	4.9 mm \varnothing by 32 mm long screws
Intumescent protection:	None required	

12. Locks

Doorsets shall be fitted with a Multipoint lock with a latch bolt to the central lock in accordance with the following specification options:

Lock Option 1:	Fullex SL16 Crimebeater (open in doorsets only – doors open away from attack)	
Supplier:	Fullex Locks Ltd.	
Description:	Lock:	SL 16 Crimebeater multipoint lock
	Keep set:	11894 Radius ended keep set
Reference:	Lock:	CB0004-KE-Z/C
	Keep set:	CRB0004-KE-Z/C
Case dimensions:	Central:	227 mm high by 57 mm deep by 15 mm wide
	Top & Bottom:	135 mm high by 42 mm deep by 14 mm wide
Keep dimension:	Central:	222 mm high by 44.5 mm wide by 15.5 mm deep
	Top & Bottom:	179 mm high by 30 mm wide by 21.5 mm deep
Forend dimensions:	1720 mm high by 20 mm wide by 2.5 mm thick	
Latchbolt material:	Steel	
Position:	1015 mm from top of door to centreline of spindle	
Lock Configuration:	Central:	Engaged latchbolt
Intumescent protection:	All lock cases:	None required
	Forend:	None required
	All keeps:	None required
Fixings:	Lock	10No. 3.9 mm Ø by 38 mm long CSK steel wood screws
	Central Keep:	3No. 3.9 mm Ø by 38 mm CSK steel wood screws
	Top & Bottom keep:	4No. 3.9 mm Ø by 38 mm CSK steel wood screws

Lock Option 2:	ERA Home Security Invincible (open in or open out doorsets – doors open away or towards attack)	
Supplier:	ERA Home Security	
Description:	Lock:	Invincible multipoint lock with centre deadbolt
	Keep set:	Invincible multipoint lock keep set
Reference:	Lock:	6945-INV-609-79ZA
	Keep set:	5402-85RE (hook keeps) 5401-85RE (centre keep)
Case dimensions:	Central:	226 mm high by 60 mm deep by 15 mm wide
	Top & Bottom:	110.5 mm high by 43 mm deep by 14.5 mm wide
Keep dimension:	Central:	252 mm high by 45 mm wide
	Top & Bottom:	177 mm high by 35 mm wide
Forend dimensions:	1635 mm high by 20 mm wide by 2.5 mm thick	
Latchbolt material:	Steel	
Position:	1015 mm from top of door to centreline of spindle	
Lock Configuration:	Central:	Engaged latchbolt
Intumescent protection:	All lock cases:	None required
	Forend:	None required
	All keep:	None required
Fixings:	Lock	10No. 3.9 mm Ø by 38 mm long CSK steel wood screws
	Central Keep:	5No. 3.9 mm Ø by 38 mm CSK steel wood screws
	Top & Bottom keep:	4No. 3.9 mm Ø by 38 mm CSK steel wood screws

Lock Option 3:	ERA Home Security Invincible (open in or open out doorsets – doors open away or towards attack)	
Supplier:	ERA Home Security	
Description:	Lock:	Invincible multipoint lock with centre hook
	Keep set:	Invincible multipoint lock keep set
Reference:	Lock:	6935-3H-629-79ZJ (Jeld-Wen branded) 6935-3H-609-79ZA (ERA branded)
	Keep set:	5402-85RE (hook keeps) 6408-85-LH/RH (centre keep)
Case dimensions:	Central:	220 mm high by 62.5 mm deep
	Top & Bottom:	110.5 mm high by 45.5 mm deep
Keep dimension:	Central:	200 mm high by 23.5 mm wide (38.45 mm wide inc. lip)
	Top & Bottom:	177 mm high by 35 mm wide
Forend dimensions:	1635 mm high by 20 mm wide by 2.5 mm thick	
Latchbolt material:	Steel	
Position:	1015 mm from top of door to centreline of spindle	
Lock Configuration:	Central:	Engaged latchbolt
Intumescent protection:	Central case:	Lorient Polyproducts ITL SecureSet 6045 – 6945 INV 1 mm thick ammonium phosphate intumescent kit to fully wrap body of central case
	Top & bottom cases:	Lorient Polyproducts ITL SecureSet 6045 – 6945 INV 1 mm thick ammonium phosphate intumescent kit to fully wrap body of top and bottom cases
	Forend:	None required
	All keeps:	Lorient Polyproducts ITL SecureSet 6408–85 LR/RH – 5402-85RE 1 mm thick ammonium phosphate intumescent kit set beneath central keep (full profile, including tongue to central keep) and to rear of all dust boxes.
Fixings:	Lock	10No. 3.9 mm Ø by 38 mm long CSK steel wood screws
	Central Keep:	3No. 3.9 mm Ø by 38 mm CSK steel wood screws
	Top & Bottom keep:	4No. 3.9 mm Ø by 38 mm CSK steel wood screws

Recessing for locks / forends / keeps shall result in a tight fit.

Fullex SL16 & ERA Invincible locks shall be fitted with a cylinder in accordance with the following specification options:

Option 1	
Supplier:	Eurospec / Carlisle Brass
Description:	Euro profile cylinder including key/thumbturn and key/key options
Reference:	MPX6
Certification ref:	KM585549
Intumescent protection:	None required
Fixings:	1No M5 by 55 mm machine screw
Note:	For use with handle option 1 only

Option 2	
Supplier:	ERA Home Security
Description:	Fortress 3* cylinder
Reference:	35/35 ERA 3* Fortress Cylinder
Certification ref:	KM553031
Intumescent protection:	None required
Fixings:	1No M5 by 55 mm machine screw
Note:	For use with handle option 1 or option 2

The Euro profile cylinder recess in the door face shall follow the shape of the cylinder and result in a tight fit.

Lever handles are required in accordance with the specification below:

Option 1	
Supplier:	Mila Hardware
Description:	ProSecure
Reference:	E Variant 92 PZ TS007 2*
Material:	Zinc alloy and steel
Overall size:	240 x 32mm
Lever length:	126mm
Intumescent protection:	None required
Fixings:	2No. M6 x 61mm machine screw
Option 2	
Supplier:	ERA Home Security / Fab & Fix
Description:	Balmoral handle
Reference:	Fab & Fix Balmoral Inline Lever
Material:	Zinc for Hardex finishes or Aluminium for white, black & silver finishes
Overall size:	243mm x 32mm
Lever length:	120mm
Intumescent protection:	None required
Fixings:	2No. M5 x 70mm & 2No. M5 x 80mm machine screws
Note:	For use with cylinder option 2 only

13. Overhead Closers

All doorsets are required to be fitted with a CERTIFIRE certificated self-closing device.

The exceptions are doors kept locked shut such as service access doors. Note: closers with mechanical hold-open mechanisms are not permitted to be used. Building Regulations may identify locations within domestic locations where self-closing devices are not mandatory.

The closers shall have a power rating appropriate to the leaf sizes, subject to the closer having the ability to close the door from any angle and against any latch and/ or seals fitted. The closer

shall have the ability to provide a minimum size 3 closing force. Where doors are unlatched a minimum size 3 shall be maintained.

Closers shall be CE Marked against EN 1154 and categorised as grade 1 – suitable for use on fire / smoke door assemblies.

13a Surface mounted overhead closers

Any CERTIFIRE approved surface mounted overhead closer may be fitted, subject to the conditions contained within the relevant certificate.

13b Concealed Closers

Supplier:	Allegion	
Description:	Briton 2420T	
Reference:	Concealed overhead closer	
Material:	Aluminium track and closer body with steel sub-components	
Overall size:	Closer body:	45 x 338 mm x 33 mm (including both forend plates)
	Track:	15 x 440 x 23 x 2.6
Position:	Closer body:	Fitted within the top edge of the door leaf.
	Track:	Fitted within the frame head
Intumescent protection:	Allegion (UK) Ltd, Briton 2420-IP, 2 mm thick intumescent kit covering all faces of the closer body and track case and to the rear of the closer forends.	
Fixings:	4.8 mm Ø x 26 mm – as supplied by the manufacturer	

13c Transom Mounted

Not permitted

13d Floor Springs

Not permitted

14. Ancillary items

Please note that hardware items other than those discussed within this certificate of approval are not permitted.

14a Pull Handles

Not permitted

14b Flushbolts

Not permitted

14c. Air transfer grilles

Not permitted

14d Protection plates and signage

Surface mounted plastic, steel, aluminium, or brass plates are acceptable on the basis that they are:

- < 2mm thick
- Do not occupy more than 20% of the door leaf in total or exceed 500mm in height for kickplates and 300mm for mid-plates, whichever is the smaller.
- Do not wrap around the vertical edges, and on the closing face do not extend beneath the door stops (generally 40-50mm narrower than door width)
- Plates/signage can be bonded with a thermally softening adhesive. Additionally, countersunk screws may be used with maximum dimensions of 4.5 mm Ø by 25 mm long.
- Plates in accordance with the rules above may be applied to one / both door leaf faces as required.

14e. Door Viewers

Door viewers where required shall be in accordance with the specification below:

Option 1	
Supplier:	UK Fixings Ltd
Description:	Door viewer
Reference:	22528 Silver / Chrome
Overall dimensions:	13.7 mm Ø by 52 mm
Position:	No higher than 1500 mm from the threshold, with a minimum 100 mm centre-to-centre between viewers, where a second viewer is required.
Intumescent protection:	None required

Option 2	
Supplier:	ERA
Description:	Door viewer
Reference:	35053 (6V254) Chrome or 35054 (6V253) Gold
Overall dimensions:	11.7 mm Ø by 49 mm
Position:	No higher than 1500 mm from the threshold, with a minimum 100 mm centre-to-centre between viewers, where a second viewer is required.
Intumescent protection:	None required

14f. Coat Hooks and Other Surface Mounted Hardware

Ancillary items which are wholly surface mounted may be fitted providing:

- These items are screw fixed or bonded only
- Are not bolted through the full thickness of the door
- Are not directly above, or closer than 100 mm to any non-insulated glazing

14g. Letter Plates

Letterplates where required shall be in accordance with the specification below:

Supplier:	UAP	
Description:	Soterian Letterplate	
Reference:	UAP Soterian TS008 LP	
Certification ref:	KM670828	
Overall dimensions:	Aperture size:	230 mm by 35 mm
	Cut out size:	263 mm by 58 mm
Position:	Letterplates are to be positioned centrally within the leaf width, at a height of 865 mm from the bottom of the door to the centre line of the letterplate.	
Quantity:	Maximum 1No letterplate shall be fitted to each door leaf.	
Orientation	Letterplates are to be installed in a horizontal orientation only.	
Intumescent protection:	1 mm thick graphite intumescent sheet material (supplied with letterplate)	
Fixing:	4No. No.6 by 25 mm countersunk wood screws and 4No. M6 by 25 mm hex socket cap bolts.	

14h. Threshold seals

A Lorient Polyproducts Limited LAS8001SI automatic threshold seal shall be fitted centrally in the bottom edge of the door leaf.

14i. Threshold Plates

A Lorient Polyproducts Ltd. LAS4015 aluminium threshold plate with overall dimensions 45 mm wide by 10 mm high shall be fitted / utilised.

Alternatively, a Lorient Polyproducts Ltd. LAS4002 aluminium threshold plate with overall dimensions 40 mm wide by 5 mm high shall be fitted / utilised.

14j. Electric Strikes / Electromechanical locks

Not permitted

15. Further Information

Further information regarding the details contained in this data sheet may be obtained from JELD-WEN UK Limited (Tel: 0845 122 2891).

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