

FITTING INSTRUCTIONS

CF10159/CS10020 – SECUREFIT LITE

FIRE, SMOKE AND ENHANCED SECURITY FLAT ENTRANCE DOORSETS



DUTY OF CARE

Fire doors and doorsets will not perform as designed, tested and certified if they are installed incorrectly. Incorrect installation can have serious consequences to building safety and the protection of those that occupy it. If you are the named accountable person of a building or legally responsible for the correct installation of fire doors, you can be prosecuted if they are not fitted according to building regulations and the manufacturer's instructions. Additionally, product certification, warranties and building insurances may be invalidated.

As such JELD-WEN recommends that installation of fire doorsets are conducted by a competent person who is certified by a third party assured installation scheme such as BM Trada or Firas.

INSPECTION AUTHORITIES MAY REQUIRE EVIDENCE THAT THE INSTALLED DOOR COMPLIES WITH THE TESTED SPECIFICATION INCLUDING:

- Correct fitment of intumescent seals, smoke seals and gaskets to perimeter door/frame and hardware.
- Quality of the supporting structure/opening, dimensions and fixing points.
- Fixing methods and quantity of fixing methods into the supporting structure/opening.
- Fire stopping methods between the door frame and supporting structure/opening.

Important note: All of JELD-WEN's Certifire flat entrance doorsets are supplied ready hung in the door frame, with the relevant CF and CS labels applied to the head of the door leaf and a door data pin inserted to the hinge stile. Therefore NO site modifications or additions are allowed, e.g. Trimming of door leaf, frames or adding glazing apertures etc. Such modifications will invalidate the certification and cause this to be withdrawn.

DELIVERY AND STORAGE

JELD-WEN internal doorsets should arrive on site shortly before planned installations. This will avoid unnecessary damage through additional handling and general site conditions.

Products should be thoroughly checked when delivered to ensure no damage has occurred during transportation and that the quantity, sizes and specification match those ordered using the manufacturing and identification labels present on every doorset. This label will also reference the unique doorset code which will correspond to the doorset schedule of any given project. Any damages must be reported within 48 hours of delivery.

Doorsets should be stored flat on a level surface that allows good air circulation around the doorset. Store in a cool dry place, protected from dirt, excessive moisture and direct sunlight. If bearers are being used, ensure a minimum of 3 are used to support the door equally along its length and thickness to avoid distortion. Product must not be stored outside or in buildings where wet trades are taking place.

It is recommended the installation should not take place before first fix wet trades have been completed and the building has a stable relative humidity of 40–60%.

- Below 40% can result in shrinkage, bowing and warping.
- Above 60% and timber will begin to absorb moisture resulting in expansion and swelling.
- Above 75% is not suitable for any joinery product.

If subjected to these conditions the door may suffer cosmetic damages or may no longer operate as intended resulting in remedial work.

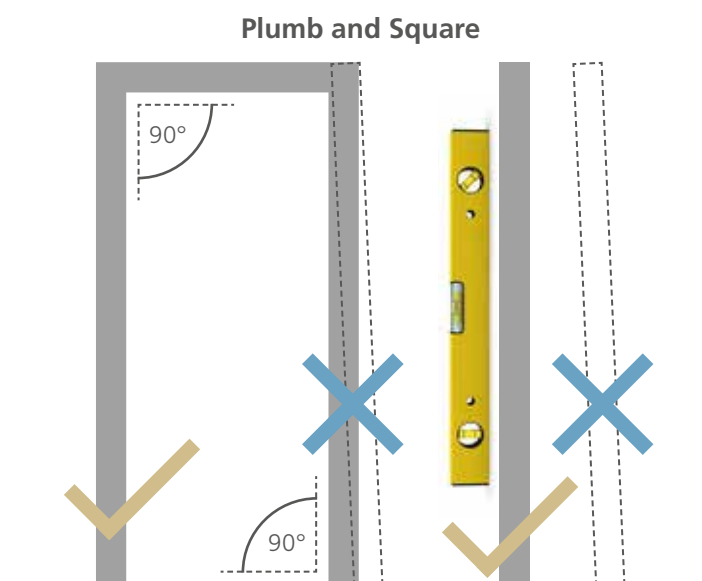
PRE-INSTALLATION

Doors opening sizes (width/height), wall depth and tolerances must be planned and available before doors are ordered and manufactured.

It is the responsibility of the specifier to ensure the supporting structure has the correct fire rating and is capable of supporting the intended door weight.

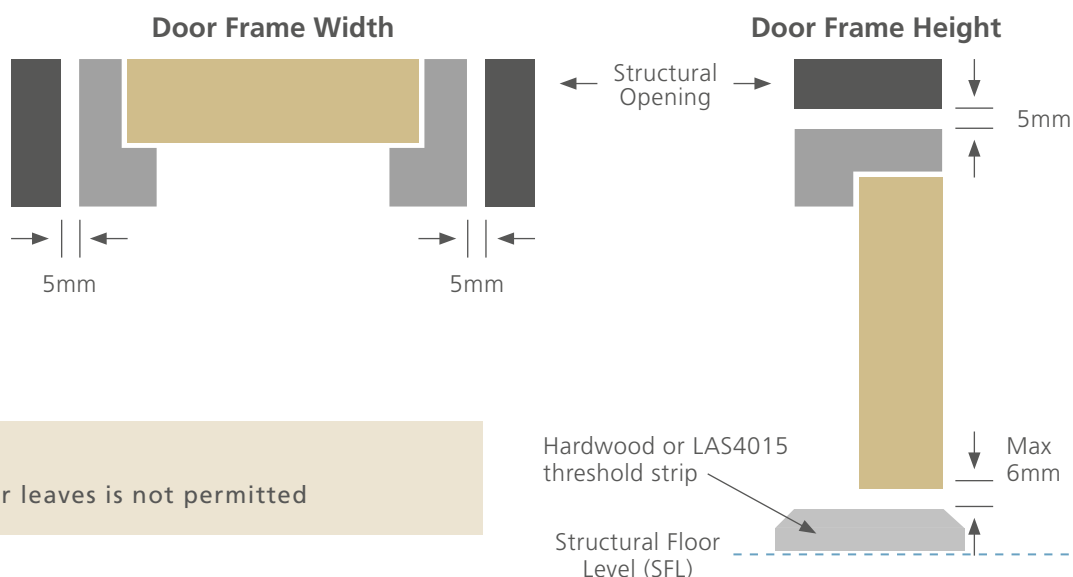
The installer should ensure the structural opening is square and plumb with tolerances +5/-0mm at each jamb and +5/-0mm at the head. Ensure that the structural opening allows the appropriate clearance to receive any additional floor finishes without impeding on the functionality of the doorset.

Ensure the floor surface is level with no high spots.



FIRE DOOR FRAME SIZE AND FITTING MARGINS

General guidance is that the overall doorframe dimensions should be 10mm less than the total width of the structural opening and 5mm less than the total height of the structural opening. This allows for the jambs to be packed up slightly in the event of an uneven floor surface or to avoid high spots of floor coverings.

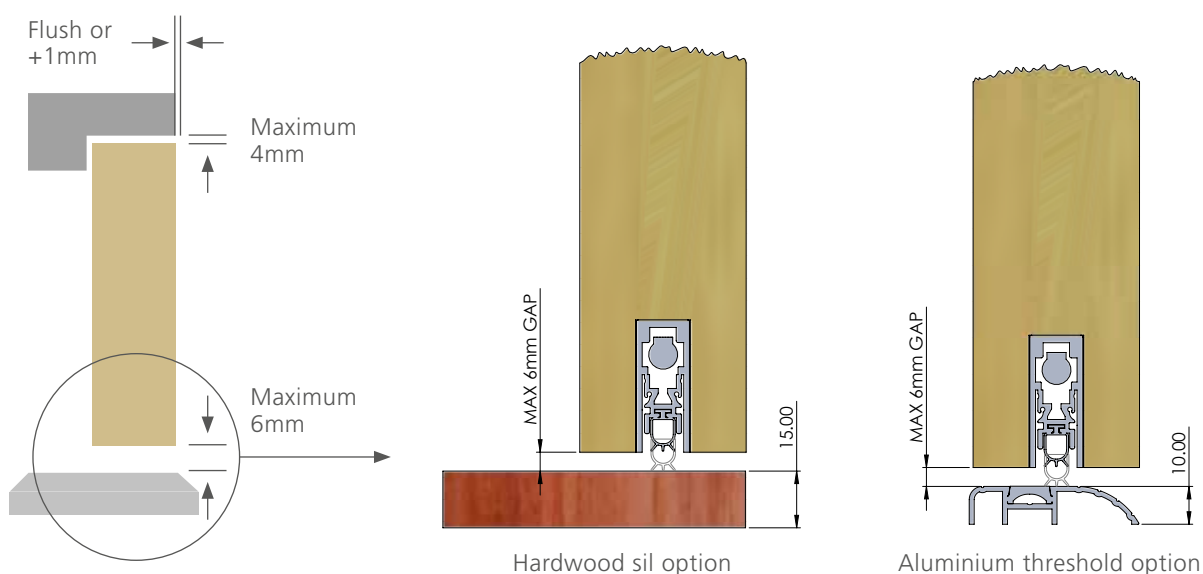


NOTE 1

On-site trimming of door leaves is not permitted

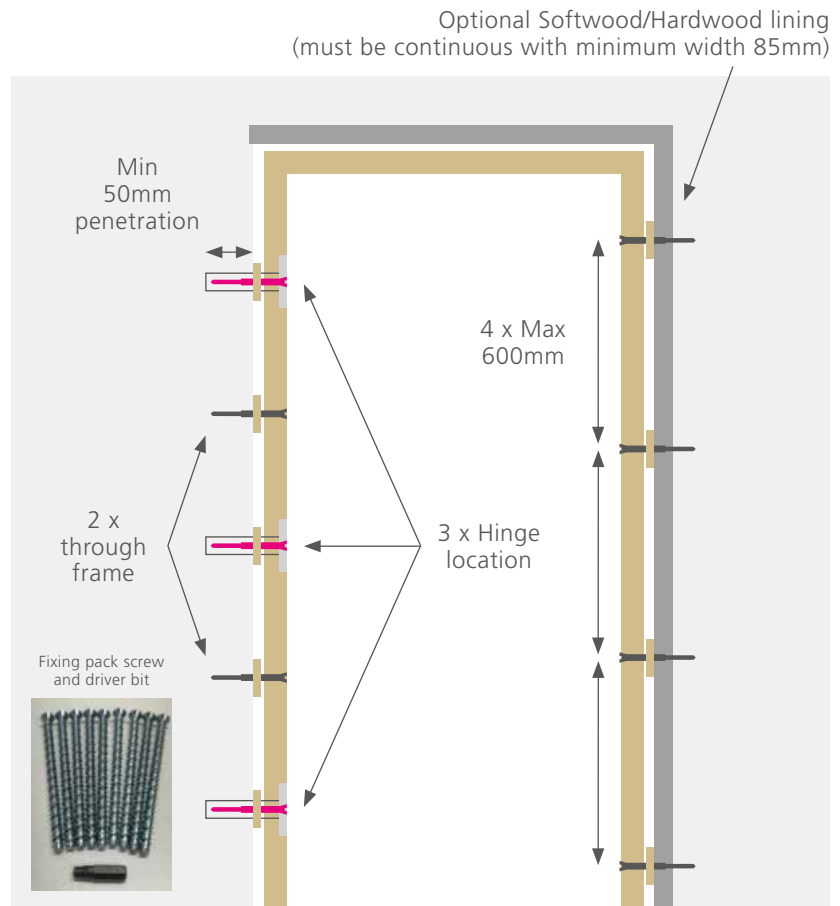
FIRE DOOR TO FRAME MARGINS

- Gaps between door leaf and frame should be set at max 4mm at the head and 4mm on the vertical edges.
- Factory produced door sets use 3mm gauges to set perimeter gaps. These are left in the assembly to assist with safe transportation of the door set.
- Door leaves must not be proud of the door frame by more than 1mm.
- Threshold: Maximum 6mm gap between the bottom of the leaf and threshold. Either a Lorient LAS4015 threshold strip or Hardwood threshold strip must be used.



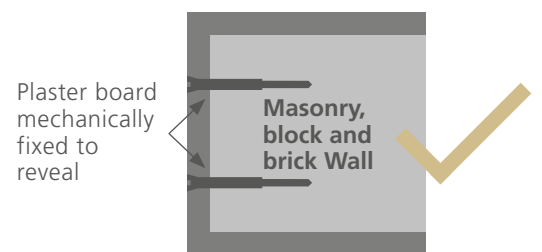
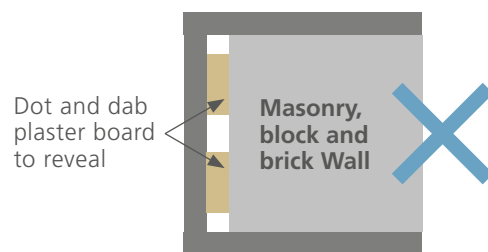
FRAME FIXING TO SUPPORTING CONSTRUCTION

- Frames can be installed into brick, block masonry timber or steel stud constructions of minimum overall thickness of 85mm, providing at least 30 minutes fire resistance and capable of supporting and fire door assembly for the required integrity period
- There must be a minimum of 4 fixings on the latch side jamb with max 600mm centres.
- There must be 5 fixings on the hinge side jamb **including 3 located through the hinges and into the wall structure.**
- **A fixing pack containing 9No 5mm x 100mm and driver bit is included. The hinge locations will be piloted by the factory.**
- Ensure the 6 remaining fixing points are pilot drilled and counter bored to prevent the timber from splitting.
- Ensure fixing holes are filled and made good.
- All fixings must penetrate a minimum of 50mm into the wall.
- Constructional opening may be reduced in size (height and or width) by lining with hardwood or softwood which must be continuous in length and a minimum of 85mm wide.

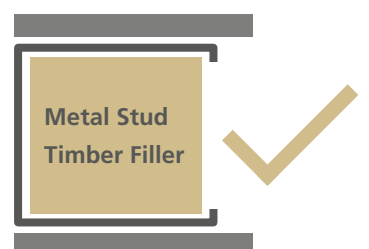
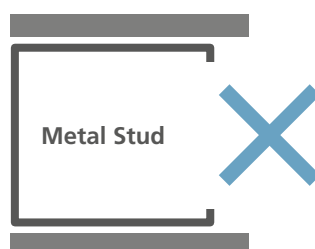


SUPPORTING CONSTRUCTION

Where brick, block, masonry wall are plastered bard faced, the plasterboard shall be mechanically fixed to ensure it remains in-situ for the required integrity period.



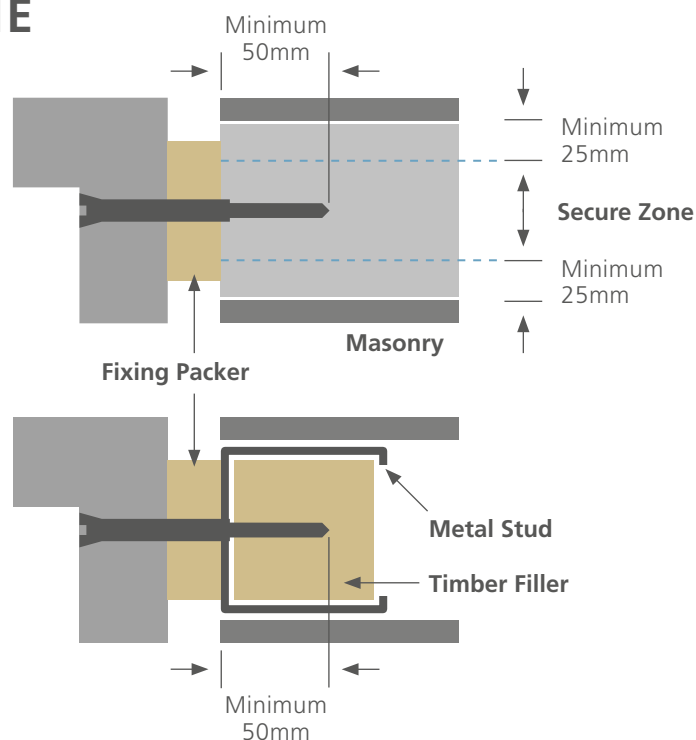
When metal stud partitions are used ensure the metal stud is packed with a timber filler to enable secure frame fixture



FIXING THE FIRE DOOR FRAME

The supporting construction must allow for secure fixing of the door frame.

- Fixtures must penetrate the supporting construction by a minimum of 50mm.
- When fixing into metal stud partitions ensure a full length of timber filler is fitting in the stud.
- When fixing into masonry ensure a minimum clearance of 25mm from the edge of the block is maintained to avoid blow out (excluding plasterboard thickness).
- Where possible fixing should be central to the frame depth to prevent frame twist.
- Use packers behind the frame and align close to the fixture point. Ensure the frame is pulled tight to the packer and supporting construction.
- Check to ensure the frame remains true. Adjust packers as appropriate.



INSTALLATION

Only install doorsets when site conditions are suitable and relative humidity is 40-60%. Incorrect site conditions could affect the operation of the doorset after installation due to the following reasons:

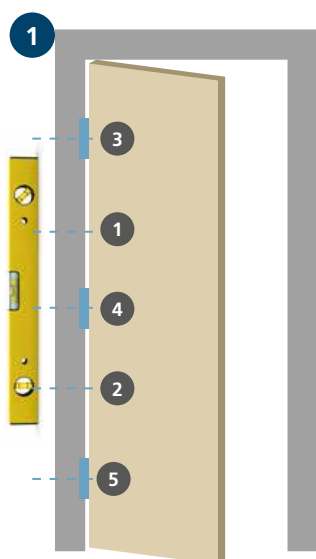
- Expansion of the door/frame due to excessive moisture.
- Movement of supporting construction.
- Shrinkage due to forced drying.

Note: Remember no site modifications are permitted to the factory hung doorset as this will invalidate the Certifire / Certisecure certification.

PACKING

- Pack between frame and supporting structure immediately above or behind fixing positions.
- Packers may be timber of equal density to the frame Plywood or plastic.
- When each fixing is made check and ensure the frame remains plumb and square.
- Plastic packers may be used for 30-minute fire resistance. Once the frame is set plastic packers must be cut back 10mm.
- Softwood or Hardwood packers can be used and don't need to be cut back.

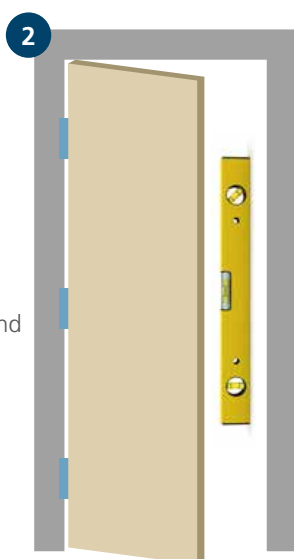
3 STEP GUIDE TO HANGING A DOOR



Fix the hanging jamb and ensure it is plumb and square.

NOTE: 2

2No fixings through the frame between the hinges (1 & 2) and 3No fixings through each hinge (3, 4 & 5) (recommended sequence 1-5)



Hang the door and plumb the closing jamb and head to the door perimeter



Check perimeter gaps and ensure the door operates smoothly.

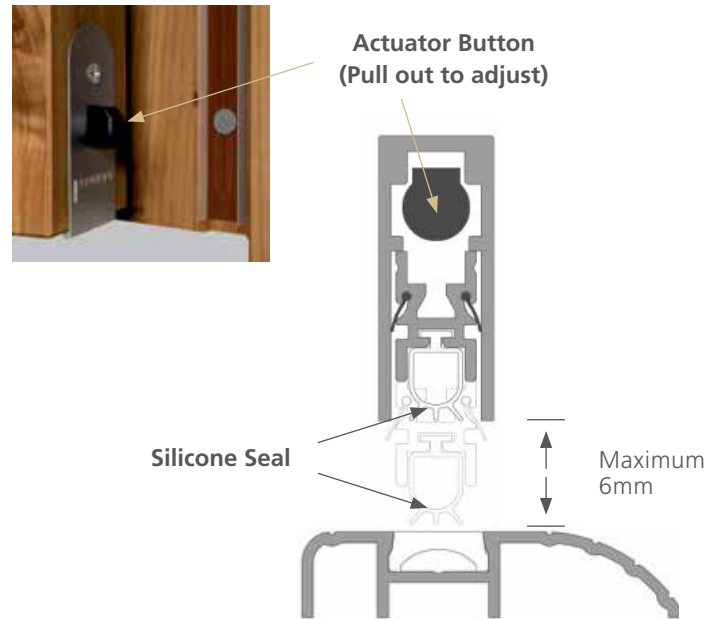
Gaps

Max = 4mm at the head
Max = 4mm at the vertical edges

Door leaf should not be proud of the door frame by more than 1mm.

ADJUSTING DROP SEALS

- Door sets are fitted with LAS8001si drop seals
- Adjust accordingly by pulling out the actuator button clear from the housing.
- Firmly holding the threaded rod, turn the actuator button clockwise to reduce seal movement and anticlockwise to increase seal movement.
- For optimum results, the seal should be adjusted so the silicone gasket touches the threshold plate in the final closing moment of the door.
- Ensure the installation of the product does not impede the opening or closing of the door.
- It is recommended to check the adjustment of the door seal periodically to ensure the;
 - a) seal touches the threshold
 - b) door closes and latches properly.



ADJUSTING KEEPS

- There are 3 keeps on the doorset
- 1 Centre Keep
- 1 Top & 1 Bottom Hook Keep (same design)
- These can be adjusted by rotating the cam using a flat head screw driver as shown in the pictures.
- Use this adjustment to ensure the door latches smoothly and pulls the door flush with the frame when the hook bolts are engaged.
- To lock the door lift the handle upwards to activate the hook bolts. This should be a smooth action
- Once hook bolts are engaged the cylinder can be locked by turning the key or thumb turn.
- If the cylinder does not lock, the keeps may need adjusting to ensure the hook bolts complete their movement.

Centre Keep



Top & Bottom Hook Keep



DOOR CLOSERS – ESSENTIAL TO OVERALL PERFORMANCE AND COMPLIANCE OF THE DOORSET

- Door closers will be supplied loose with the doorsets as the door cannot be shipped with these items fitted.
- Door closers should always be fitted in strict accordance with the manufacturer's instructions and using the fitting template provided with the closer.
- The door closer arm should ONLY be fixed back to the frame, and NOT into the architrave (where fitted) as this will affect correct and safe operation.
- If architrave is to be fitted then this should be notched around the closer arm connection back to frame.
- Closing speeds to be adjusted accordingly, inline to manufacturer's guidance to ensure correct operation.
- **Note:** Door sets supplied with concealed closers will have the linking arm disconnected to allow easier transportation and installation. Ensure the linking arm is fixed.

Standard Arm Closer TS3204BC**

TEL: +44 (0) 1246 261 491 | www.rutlanduk.co.uk

10 YEARS

CE UK CA 1812 1720

AS EN 1155 4 6 3 1 1 3 3 8 4 1 1 3

PRINT TO A3 PAPER SIZE FOR 1:1 SCALE

45mm 100mm 165mm 80mm 50mm 20mm

Shoe Position 1
Shoe Position 2

FIXING POSITION A
FIXING POSITION B

1 - Closing Speed
2 - Latching Speed
BC** - Back Check
DA** - Delay Action

** DA or BC valves Model dependent

EN 3 Power Size

EN Size	Back Check (mm)	Shoe Position	Fixing Position
2	850mm	180°	2 A
3	950mm	180°	2 A
3	950mm	105°	1 B
4	1100mm	105°	1 B

IMPORTANT NOTES:
DELAYED ACTION & BACK CHECK (DA/BC) VALVES ARE NOT STANDARD, THEY ARE OPTIONAL.
FOR UNLIMITED TIME CHOICE OF PARTS MUST BE USED.
THE FRAME MUST BE FITTED TO CODE.

A MECHANICAL DOOR CLOSER IS NOT DESIGNED TO OVERCOME POOR FITTING. EXCESSIVE AIR PRESSURE OR EXCESSIVE WEIGHT AND WEIGHT LOSS. EXCESSIVE AIR PRESSURE CAN BE CREATED BY THROUGH DRAFT, BY AIR CONTAMINANTS, BY BLOW, DOOR WITHOUT INTERLOCK. USE REMOTE STOP AND TRANSMITTER SIGNAL AND TESTED MECHANICAL DOOR CLOSING ARE DESIGNED TO CLOSE THE DOOR AND TESTED SPECIFICATION OF DOOR WEIGHT AND DOORSET/DOOR ASSEMBLY TO OPEN DOOR AND TESTED WITH EXCESSIVE DRAFT AND NOT BLOWING ON DOOR. IF YOU ENCOUNTER PROBLEMS WITH DOOR SET CLOSING PLEASE WATCH OUR "TIPS TO TROUBLE SHOOT" A DOOR CLOSER. NEVER OIL THE DOOR, DOOR AND DOOR CLOSING AND DO NOT PRESSURE THEM. PROVISIONAL ADVICE FROM AN AUTHORIZED INSTALLER IS RECOMMENDED TO FIT TESTED AND THIRD PARTY CERTIFIED AIR PRESSURE RELEASE/DOOR STOPPING OPERATIONS.

NOTE: IN DOOR SETS IS DESIGNED TO ADJUST BACK CHECK AND DO NOT REPLACE THE REQUIREMENT FOR CORRECTLY FITTED DOORSTOP OR SAFETY BARRIERS.

FOR MORE DETAILED INFORMATION: <http://www.rutlanduk.co.uk/rutland-support>

1
2
4

90°

OPTIONAL

1
2

90°

COPYRIGHT 2024 ©
Last revision: Aug 2024

Image are for references only

FIRE STOPPING BETWEEN FRAME AND STRUCTURAL OPENING

Fire stopping products between the frame and structural opening must be tested to one of the following standards. The test duration must be equal to or greater than the specified integrity period of the fire doorset.

INTUMESCENT MASTIC

Test evidence between any material. Length of tested seal must be at least 1mtr, but this does not restrict the total length of a fire door.

- EN1366-4
- EN 1634-1
- BS476 part 20
- BS476 part 22

EXPANDING FIRE FOAM

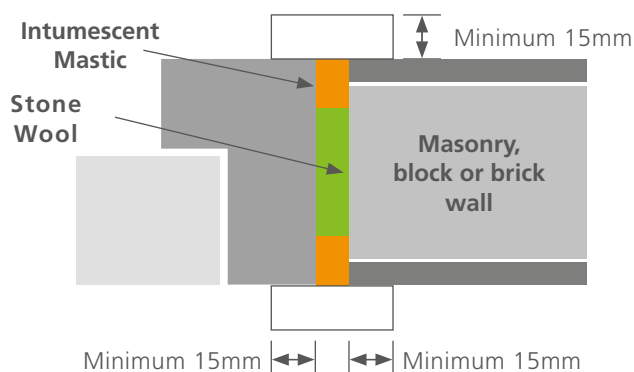
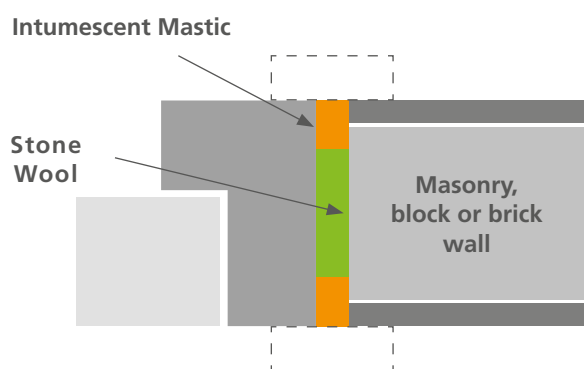
- EN1366-4
- EN 1634-1
- BS476 part 20
- BS476 part 22

STONE WOOL

- Euroclass A1 or A2 to EN13501-1 and heat resistant to 1000°C

General guidance: For specific details of supporting construction types, fire resistance durations of 30 minutes and frame to supporting structure gaps refer to BS8214:2026 Tables 3 & 4. General guidance using stone wool and mastic. The use of alternatives Certifire approved lineal gaps sealing systems may also be utilised to protect frame and supporting construction gaps subject to the conditions contained within the relevant certificate or as detailed in CF10159/CS10020 certificate data sheet.

SEALING TO STRUCTURAL OPENING – UNLIKELY to exhibit significant distortion during a fire



Gaps 5mm to 15mm wide

- Stone wool tightly packed to the depth of frame.
- Mastic applied to fill the gap to a minimum depth of 10mm each side.

NOTE: Architraves optional

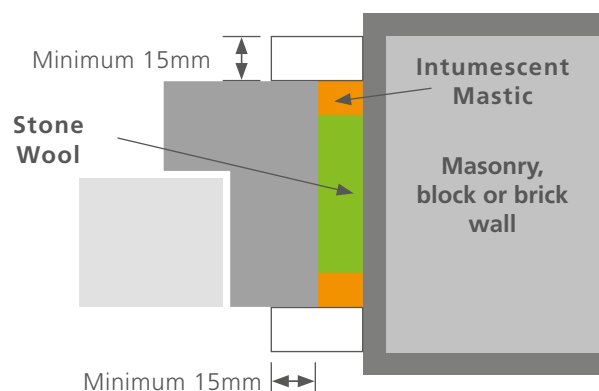
Gaps 5mm to 20mm wide

- Stone wool tightly packed to the depth of frame.
- Mastic applied to fill the gap to a minimum depth of 10mm each side.
- Architraves mandatory
- Minimum 15mm thick constructed of softwood, hardwood or MDF overlapping the frame and wall by 15mm

SEALING TO STRUCTURAL OPENING – UNLIKELY to exhibit significant distortion during a fire

Gaps 5mm to 20mm wide

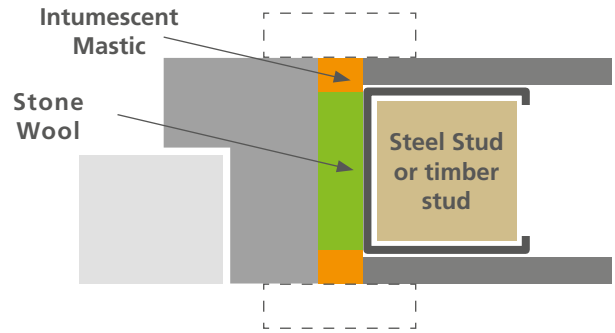
- Stone wool tightly packed to the depth of frame.
- Mastic applied to fill the gap to a minimum depth of 10mm each side.
- Architraves mandatory
- Minimum 15mm thick constructed of softwood, hardwood or MDF overlapping the frame by 15mm



SEALING TO STRUCTURAL OPENING – **LIKELY to exhibit significant distortion during a fire**

Gaps 5mm to 15mm wide

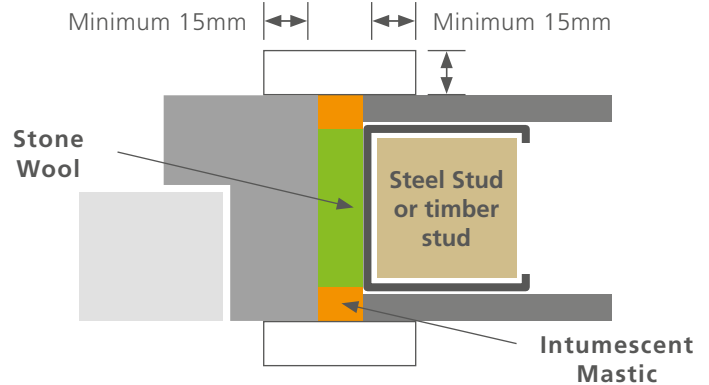
NOTE: Architraves optional



Gaps 5mm to 20mm wide

- Stone wool tightly packed to the depth of frame.
- Mastic applied to fill the gap to a minimum depth of 10mm each side.
- Architraves mandatory

Minimum 15mm thick constructed of softwood, hardwood or MDF overlapping the frame and wall by 15mm



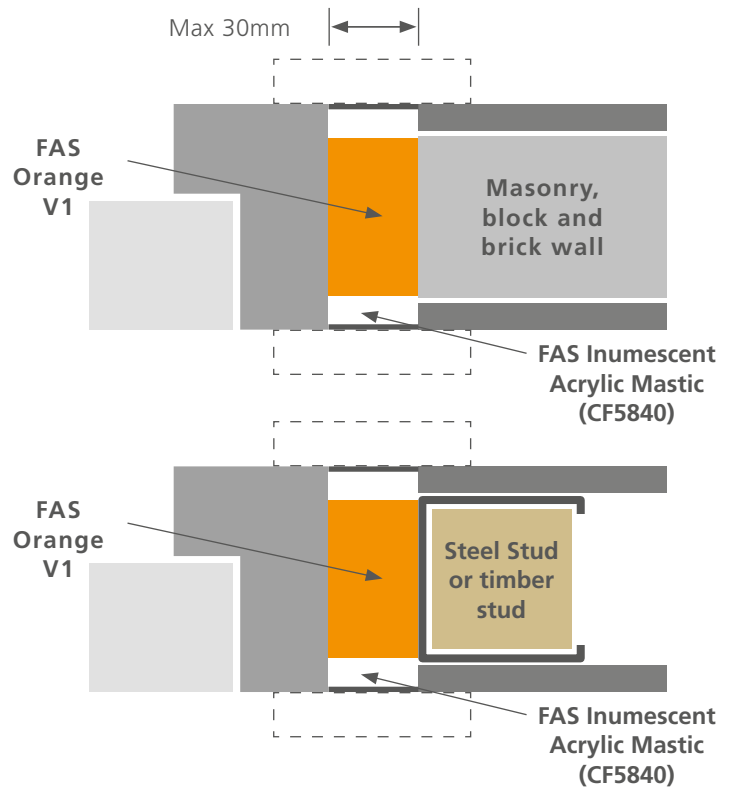
SEALING TO STRUCTURAL OPENING – FIRE & ACOUSTIC SEALS – FIRE DOOR FOAM

Gaps 5mm to 30mm wide

- FAS Orange V1 Fire Foam (CF5839) filled to the depth of frame and cut back 10mm.
- FAS Inumescent Acrylic Mastic (CF5840) applied to cap to a minimum depth of 10mm each side.
- FAS Flat packers (Polyprpylene)

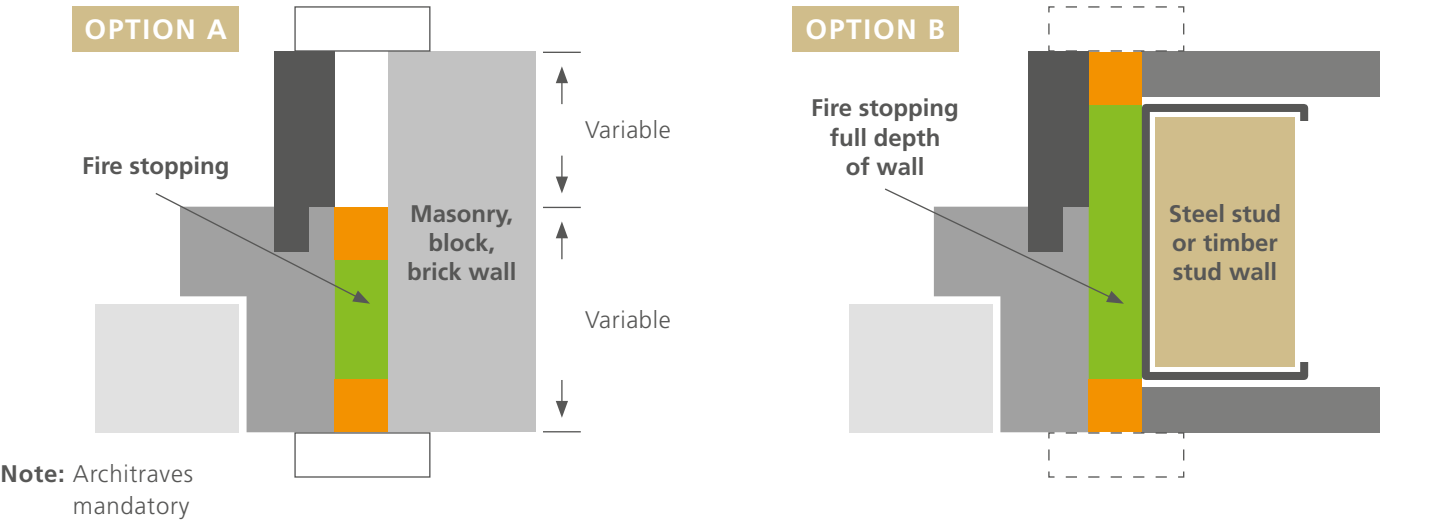
NOTE: Architraves optional

Tested to EN1634-1 – Report WF555703/R



EXTENSION LINERS

Extension liners fit into the frame grooves and can be adjusted to suit small variations in the structural opening wall depths.



OPTION A should only be used if the wall aperture is suitably protected so that the effects of fire cannot affect the wall. If this is not the case, fire stopping must be to the same width and material as the frame as shown in **OPTION B**.

CERTIFICATION LABELS AND DATA PINS

CERTIFICATION LABELLING

This product is dual certified by Certifire (Fire) and Certisecure (enhanced security including PAS24 and Smoke). A single label denotes the performance characteristic and is placed on the head of the door leaf. **The label must not be removed or painted over.** Doing so will invalidate certification.

An example label is shown below.



DOOR DATA PINS

All doors include a Door Data Systems data pin which can be found on the hinge side of the door leaf. By downloading the Door Data Systems app and registering an account you will be able to scan the data pin which will show you specific product information related to that door set. Parts lists, warranties, certificates and fitting instructions will be available. It's also possible to add data to the specific door to demonstrate installation, inspection and maintenance compliance throughout the life cycle of the product. Visit www.doordatasystems.co.uk for more information.

NOTE: The Door Data System does not form part of third-party certification or its requirements and does not replace the need for the certification label to be present.

OPERATION AND MAINTENANCE

THE REGULATORY REFORM (FIRE SAFETY) ORDER 2005

Article 17 <https://www.legislation.gov.uk/ukxi/2005/1541/article/17>

"Where necessary in order to safeguard the safety of the relevant persons the responsible person must ensure that the premises and any facilities, equipment and devices provided in respect of the premises under this Order or, subject to paragraph (6), under any other enactment, included any enactment repealed or revoked by this Order, are subject to a suitable system of maintenance and are well maintained in an efficient state, in efficient working order and in good repair"

The Order continues to detail the requirements of the responsible person to appoint one or more competent persons to assist in undertaking the preventive and protective measures.

Periodic checks should be completed to ensure fire doorsets are functioning correctly, are not physically damaged and correct gaps are maintained. The Fire Safety Act 2022 requires communal doors in high risk buildings to be checked every 3 months and flat entrance doors every 12 months.

PAINTING AND DECORATION

If doorsets are not provided factory finished doors and frames can be painted. Care should be taken when painting around intumescent, smoke and weather seals and labels. Smoke and weather seals must not be painted as this can negatively impact smoke and acoustic performance. Certificate labels must not be removed or painted over as this will invalidate certification.

MODIFICATIONS

No modification to the door leaf or hardware specification is permitted. The exception is if a frame jamb needs to be trimmed to accommodate a floor covering to maintain allowable threshold gaps.

REPLACEMENT PARTS

If a hardware item fails and requires replacement, please call JELD-WEN. Site replacement of parts is not generally permitted as the doorset must leave the manufacturing facility as a "complete" doorset. Replacing any item not listed in the certificate data sheet will invalidate the certification and could invalidate insurance policies.

CARE GUIDANCE

Do not use abrasive cloths or household detergents to clean the product. Use a damp cloth and wipe lightly. Essential hardware may require some periodic cleaning or lubrication if operation efficiency reduces or operation noise increases.

OPERATION AND MAINTENANCE cont...



CYLINDERS MAINTENANCE GUIDE

To maintain this product's appearance, simply wipe over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

DO NOT:

Wipe over with a strong cleaning detergent or any cloths which may scratch the surface of the cylinder.

 Wipe highlighted area

 Lubricate highlighted area with silicon based oil or graphite



To register your guarantee, please visit
www.uapcorporate.com/register

The cylinder comes with a key fob which includes a serial number. Customers can register the cylinder on our website to activate their 2 year guarantee.

Registering is simple. If you are registering a UAP cylinder, on your cylinder keys will be a key ring. Simply enter the serial number on the key ring and fill out your details.



FULLEX MULTIPOINT LOCKS MAINTENANCE

To maintain this product's appearance, simply wipe over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

DO NOT:

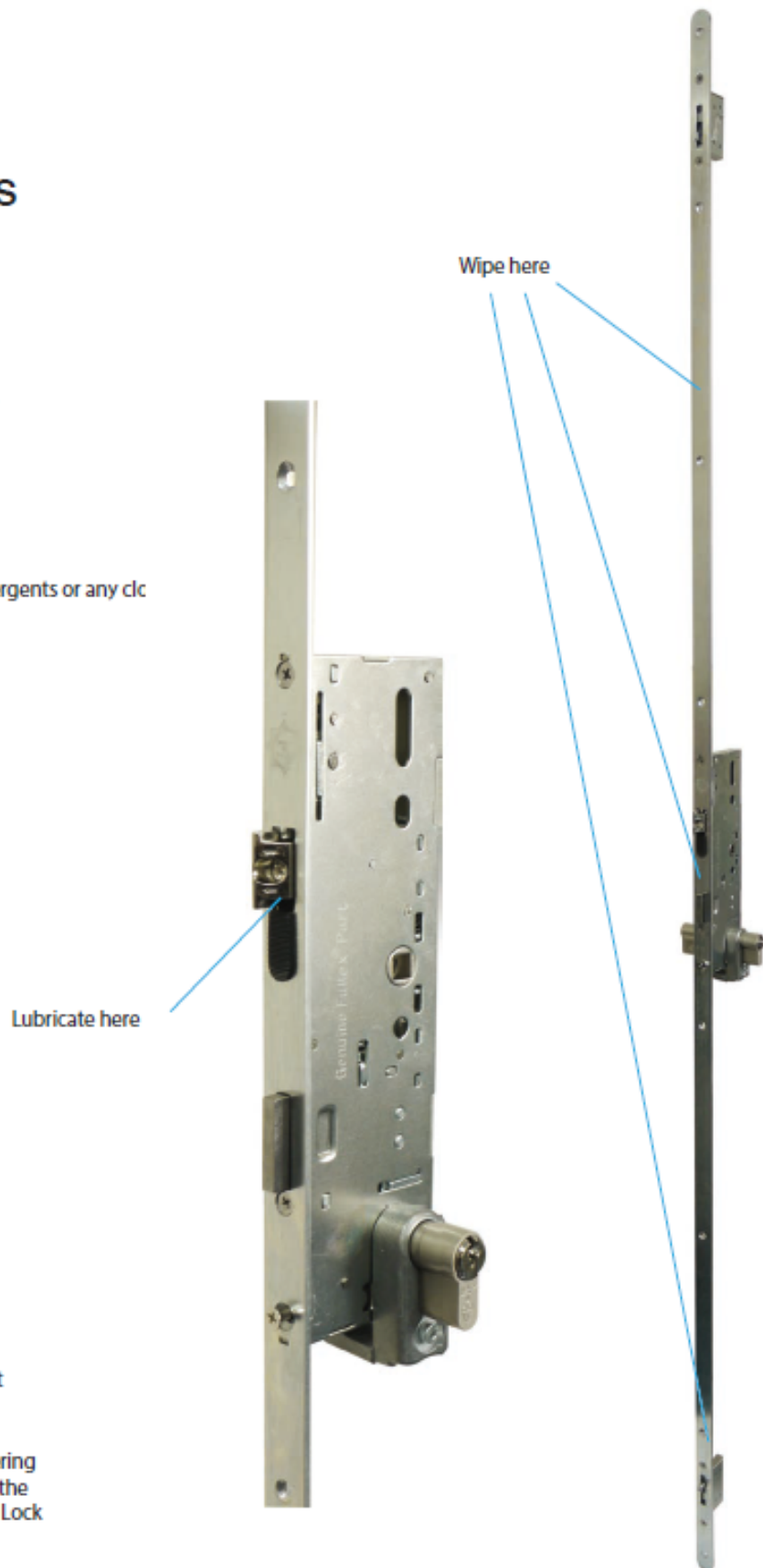
Wipe over with a strong cleaning detergents or any chloride surface of the lock

Product components:

Multipoint lock

Tools needed:

Cloth
Lemon based mild soap



To register your guarantee, please visit
www.fullex-locks.com/registration

Registering is simple. If you are registering a Fullex lock, simply fill in the form on the website to register your 10 year Fullex Lock mechanical guarantee.

LETTERPLATES MAINTENANCE GUIDE

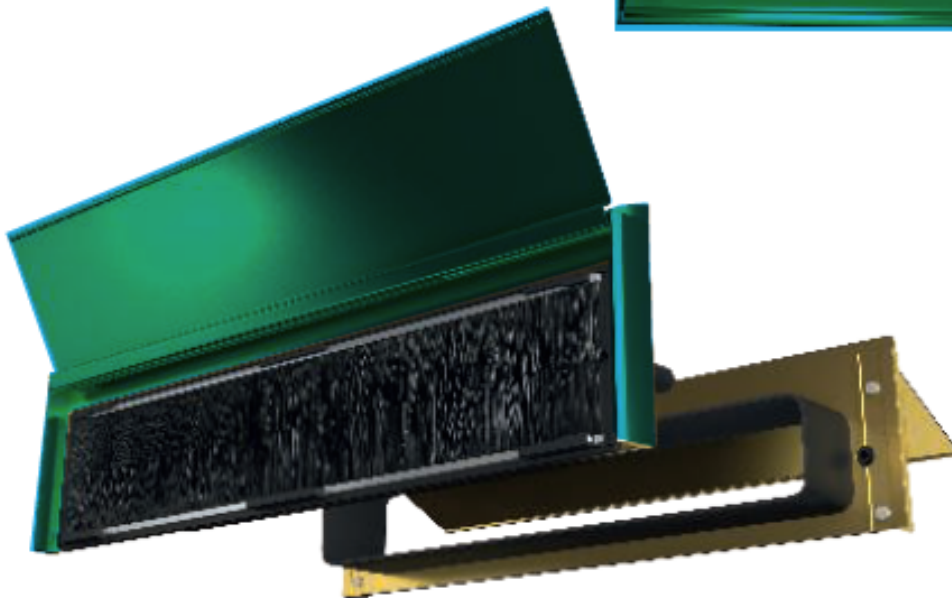
To maintain this product's appearance, simply wipe over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

DO NOT:

Wipe over with a strong cleaning detergent or any cloths which may scratch the surface of the letterplate.



Wipe highlighted area



To register your guarantee, please visit
www.uapcorporate.com/register

If you are registering letterboxes, please click on 'I am registering a UAP door hardware product' and select the product(s) you wish to register, and enter the door supplier name, the name of the installing company, the receipt reference number and also the date of purchase. It's as easy as that!



NANOCOAST HANDLES MAINTAINING

To maintain this product's appearance, simply wipe over with a lemon based very mild soap solution and a soft cloth once a month or every 2 weeks in areas of high sea salt such as coastal areas.

Product components:

Door handle

Tools needed:

Cloth
Lemon based mild soap

DO NOT:

Wipe over with a strong cleaning detergents or any cloths which may scratch a surface of the letterplate



To register your guarantee, please visit
www.uapcorporate.com/register

If you are registering door handles, please click on 'I am registering a UAP door hardware product' and select the product(s) you wish to register, and enter the door supplier name, the name of the installing company, the receipt reference number and also the date of purchase. It's as easy as that!