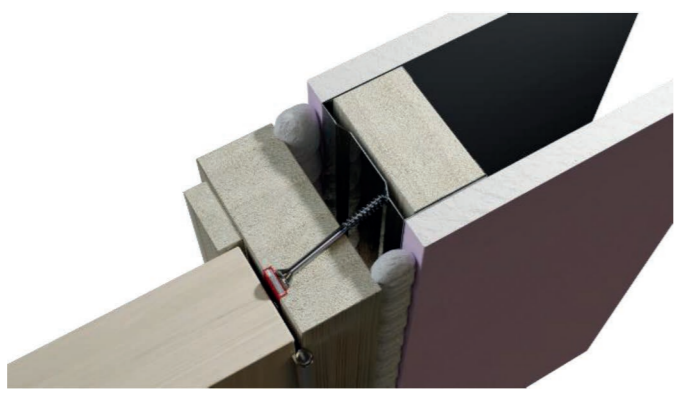
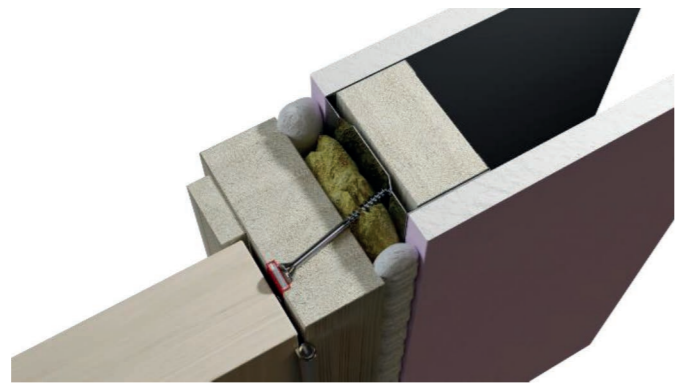


Firestopping must be considered for the frame to wall gap. The type of firestopping required will depend on the frame to wall gap and should be selected from the following table.

Once firestopping is complete, architrave must be fitted as per the details in the previous section

Gap (mm)	Firestopping Requirement	Illustration
0-2	In practice, unlikely to occur, but if present, must be sealed with architraves, as below, fitted over a bead of acrylic intumescent sealant, tested as below	
2-10	Gap must be sealed on both sides with a 10mm depth of acrylic intumescent mastic, fire tested for this application to BS 476: Part 22: 1987 or BS EN 1634-1.	
10-20	Gap must be tightly packed with mineral fibre capped on both sides with a 10mm depth of acrylic intumescent mastic, fire tested for this application to BS 476: Part 22: 1987 or BS EN 1634-1 or full depth expanding PU foam, fire tested for this application to BS 476: Part 22: 1987 or BS EN 1634-1.	

Hardware

Your fire doorset kit has been fitted with FD30 compliant hardware which should not be changed. Door handles will be supplied in your choice from a range of approved designs.

Where further hardware is required then Certifire approved hardware may be fitted. Please check with your hardware supplier for specific fitting instructions.

As per the test report, this doorset does not require intumescent hinge pads for its FD30 rating. The latch has been fitted with an intumescent pack prior to installation into the door and this should not be removed.





Thankyou for purchasing a Heritage fire door or doorset. Your door has been carefully manufactured at our Sheffield factory using state of the art CNC machinery and is one of the best quality doors on the market today. To ensure your door or doorset performs correctly It is very important that your door is properly installed. Please follow the instructions below carefully. Further information can be access via the downloadable Fire Test Evidence document either on the product lising or by contacting Heritage Products.

Slab Based Fire Door Construction Information

Slab style Heritage Fire Doors are manufactured using Falcon Timber fire rated door cores. Your door will be manufactured using either

STREbord 44mm - Field of Application report Chilt/A12137 Rev A

STREdor 44mm - BMT/CNA/F15159 | Stredor 44 | 30 Minute Global Assessment

Both cores are tested to BS 476: Part 22: 1987 and BS EN 1634-1 for FD60, FD30, EI30 and NFR applications as well as PAS24:2016 for enhanced-security applications

Stile and rail style Heritage Fire Doors are manufactured under test reports Certifire CF257 for glazed doors and Chiltern A0 9136 and A0 9165 for solid panelled doors.

Heritage doors are suited to FD30 installations and must be installed in full compliance with the methods detailed below to ensure that doors perform as in the same way as test doors. Please read the following information carefully as part of the installation.

FD30/S Fire Door Compliance

Heritage FD30/S fire doors are compliant with Fire safety: Approved Document B and have been rigourously tested to the standards listed above. These doors can be installed to either FD30 or FD30S standards. FD30S doors are fitted with a drop down smoke seal to the underside.

Heritage FD30/S fire doors are manufactured in strict compliance with the specifications laid out in the appropriate Field of Application reports. Heritage manufacture is carried out with the full permission of Falcon Timber Products, Mann McGowan and Pyroguard.

FD30/S Fire Door Installation



Whether you have purchased a fire door or a full fire doorset, it is extremely important that doors are installed using the correct procedures. If you are purchasing a fire door only this manual will give information on acceptable hardware and frame specifications that must be adhered to.

Failure to follow these instructions so can result in the doorset not performing correctly and/or failing to meet the standards set in Approved Document B

The purpose of this manual is to ensure that you have access to all of the information needed to correctly complete your FD30 fire door installation. Additional information is given where the door must comply to FD30S

Hardware Specification

Certifire approved hardware approved for 30 minutes in an ITT door assembly (i.e. a door assembly containing intumescent, a timber frame and a timber leaf) is acceptable providing all the requirements for intumescent and frame are complied with and the specifications listed are met.

As well as Certifire approval, the following basic hardware specifications should be adhered to.

Lock & Latch Specification	
Element	Specification
Maximum forend & keep dimensions	235 (h) x 25 (w) x 4mm (t)
Maximum body dimensions	180 (h) x 100 (w) x 18mm (t)
Intumescent protection	See section 9.2.1
Materials	All parts essential to the locking/latching action (including the latch bolt, forend & keep) to be steel or brass (with a melting point $\geq 800^{\circ}\text{C}$)
Location ²	Between 750 – 1200mm from the threshold ³
	Between 1201 – 1400mm from the threshold ^{3, 4}

Alternative Hinge Specification			
Element		Specification	
Blade height		90 – 120mm	
Blade width (excluding knuckle)		28 – 35mm	
Blade thickness		2.5 – 4mm	
Fixings		Minimum of 4No. 30 long No. 8 or No. 10 steel wood screws per blade or Tested screw fixings as supplied with the hinge	
Materials		Steel or stainless steel or brass (melting point $\geq 800^{\circ}\text{C}$)	
Hinge positions	Leaf height: <1200mm	Top	120 – 200mm from head of leaf to top of hinge
		Bottom	150 – 300mm from foot of leaf to bottom of hinge
	Leaf height: 1201-2400mm	Top	120 – 200mm from head of leaf to top of hinge
		2 nd	Min - 100mm from top hinge Max - centrally between top and bottom hinge
	Leaf height: >2401mm	Bottom	150 – 300mm from foot of leaf to bottom of hinge
		Top	120 – 200mm from head of leaf to top of hinge
	Leaf height: >2401mm	2 nd	Min - 100mm from top hinge Max - centrally between top and 3 rd hinge
		3 rd	Min – 100mm from bottom hinge Max – centrally between 2 nd and bottom hinge
		Bottom	150 – 300mm from foot of leaf to bottom of hinge

Door Lining Specification

The minimum specification for the door lining is as follows. A softwood door lining may be used with the following minimum dimenions as long as it is at or above a density of 510kg/m3.

Frame 70 x 30 with a Stop at minimum 12 x 20

The lining should have a 15 x 4mm groove for an intumescent strip and the lining should be positioned so that the groove is central to the door thickness. Strip should be selection for the doors instllation purpose. FD30 installations should have 15 x 4 intumescent strip fitted, and FD30S should have strips with brush smoke seals. Full details of acceptable strip brands are contained in the Fire Test Evidence document available for download.

Install your lining following the information in the following doorset installation pages

Fire Doorset Frame Assembly

Your doorset will come with the frame in 3 sections flat packed to the door. All machining work has been completed, and hinges will be prefitted to either the frame or the door. 15 x 4mm intumescent strips are prefitted into the frame sections and should not be removed. Hinges are designed to be screwed into place over a rebated area of the intumescent strip to aid in intumescent strip retention over time.

The frame has been machined to the correct size to suit the door, and to set the door to frame gaps to a size that meets the requirements of the test reports. The gap from the door bottom to the bottom of the door legs has been preset to 10mm.

The frame head is pretrenched and pre-drilled to place it into the correct position on the frame legs. 4no 5mm x 100mm woodscrews are provided to fix the head to the frame legs. No glue is necessary.

Assemble the frame head to the frame legs using the 5mm x 100mm woodscrews provided.

Frame to Opening Installation

Installing the doorframe to the structural opening is a critical factor in the performance of the doorset and must be done in accordance with the following details.

The frame is suited to installations where

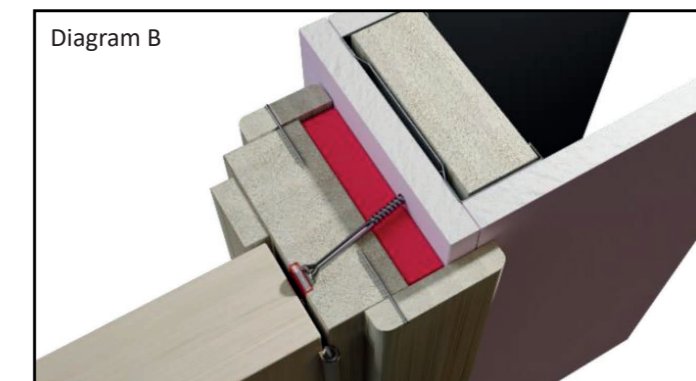
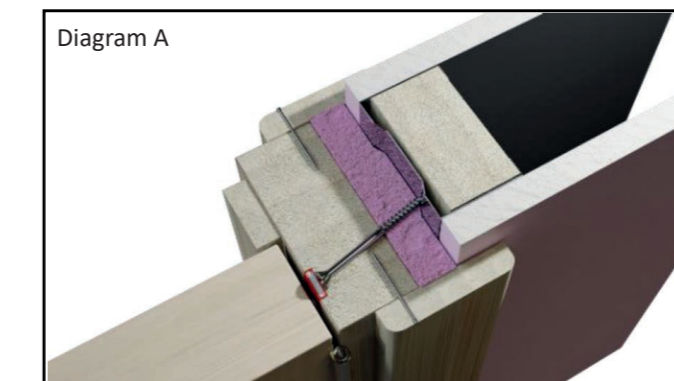
1. The wall thickness is the same width as the frame. See Diagram A
2. The wall thickness is wider than the frame. See Diagram B

Where the wall is narrower than the frame then the frame must not be cut back to suit the wall thickness.

Architrave should be fitted in both instances. Where the frame is flush with the wall face, architrave of a minimum 18mm thickness should be fitted. The architrave must project a minimum of 15mm onto the wall face, measured from the wall side of the frame to wall gap.

Where the frame is inset in the opening, architrave must still be fitted but will be fitted up to the wall opening face (Diagram B).

The frame legs should be fixed to the wall using steel fixings at 500mm maximum centres and a maximum of 150mm from top and bottom. The fixings must be of the appropriate type for the supporting construction and must penetrate to a minimum depth of 50mm.



Additional Information For Double Door Installation

Doors specified as being installed as double doors will be machined with meeting stile rebates and fitted with approved intumescent strips. Please contact Heritage for further information.