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**Title**

Field of Application for:  
Falcon Strebord® 54 Doorsets

For 60 Minutes Fire Resistance

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**Report No.:**

Chilt/A02067 Revision N

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**Issue Date:**

31<sup>st</sup> January 2025

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**Valid Until:**

31<sup>st</sup> January 2030

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**Job Reference:**

WF547265

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**Prepared for:**

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## 7 Door Frame Construction

### 7.1 Frame Type Details

The door frames listed below are the minimum size and density which have been successfully tested and assessed by this report. The frame must be constructed to meet the following specification for single and double acting frames, where applicable.

Frame specification			
Frame type	Material	Minimum section size (mm)	Minimum density (kg/m <sup>3</sup> )
1	Hardwood The use of Beech ( <i>Fagus species</i> ) is NOT permitted.	Frame: 70 (d) x 32(w) (excluding stop) Stop: 12 (w) (integral or planted on)	640 (Hardwood)
2	MDF	Frame: 70 (d) x 30(w) (excluding stop) Stop: 12 (w) (integral or planted on)	700
3	Simplis Soleco – Steel Frame	1mm Thick Profiled Steel – 180 (d) x 75 (w) Stop: 13 (w)	N/a
4	Ezy Jamb Steel Frame	1mm Thick Profiled Steel – 99 (d) x 47 (w) Stop: 13 (w)	N/a

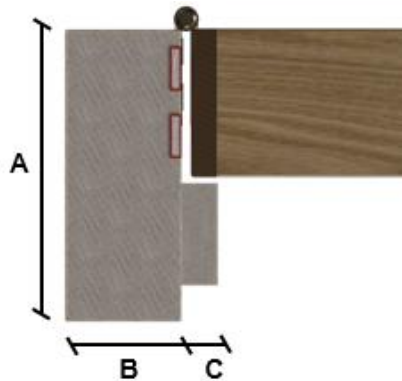
**Note:**

Minimum section size is subject to size of hardware and the use of transomed overpanels (see frame details below).

## 7.2 Details for Frame 1

### 7.2.1 Standard frame detail

The diagram below shows detail of the standard frame construction. Minimum section is permitted in the two sizes but subject to hardware size and the use of transom overpanels. Any radius to the lipping must comply with section 5.3.



A: Frame depth = 70mm minimum

B: Frame width = 32mm minimum

C: Stop width = 12mm minimum

*Minimum section size when using a transom overpanel:*

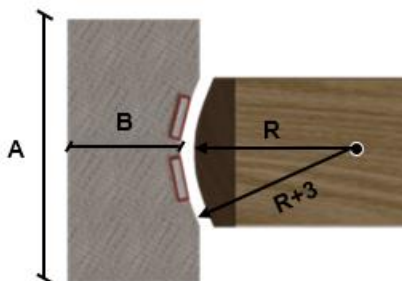
A: Frame depth = 70mm minimum

B: Frame width = 44mm minimum

C: Stop width = 12mm minimum

### 7.2.2 Scalloped frame detail

The diagram below shows detail of the scalloped frame construction hanging edge only. When using scalloped frames for double acting doorsets, the grooves for the specified intumescent strips must be as shown below and to the correct depth.



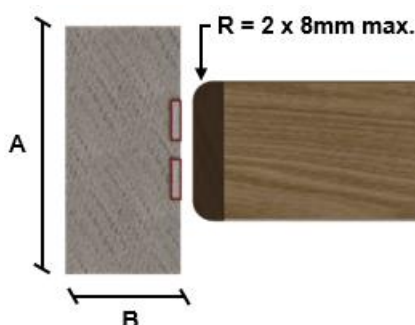
A: Frame depth = 70mm minimum

B: Frame width = 32mm minimum

R: Radius from floor spring or pivot = 8mm maximum  
to create a maximum 2mm edge profiling

### 7.2.3 Square frame detail for double acting doorsets

The diagram below shows detail of the square frame construction for the closing edge of a double acting single leaf doorset. Where utilising square frames for double acting doorsets, any radius to the lipping must comply with section 5.3.



A: Frame depth = 70mm minimum

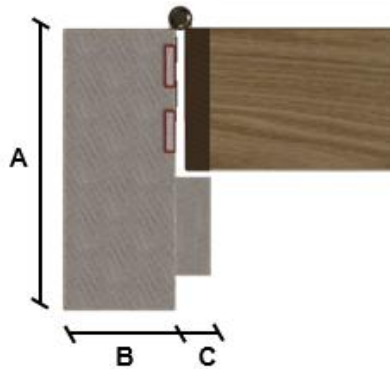
B: Frame width (Jambs) = 32mm minimum

B: Frame width (Head) = 47mm minimum (to fully incorporate the door pivot within the frame head)

## 7.3 Details for Frame 2

### 7.3.1 Standard frame detail

The diagram below shows detail of the standard frame construction. Minimum section is permitted in the two sizes but subject to hardware size and the use of transom overpanel. Any radius to the lipping must comply with section 5.3.



A: Frame depth = 70mm minimum

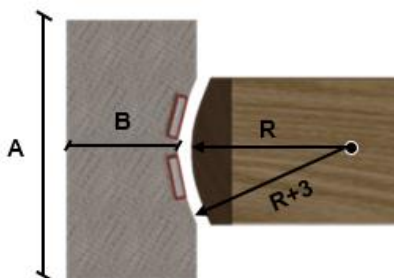
B: Frame width = 30mm minimum

C: Stop width = 12mm minimum

*Transoms are not permitted with this frame type.*

### 7.3.2 Scalloped frame detail

The diagram below shows detail of the scalloped frame construction hanging edge only. When using scalloped frames for double acting doorsets, the groove for the specified intumescent strips must be as shown below and to the correct depth.



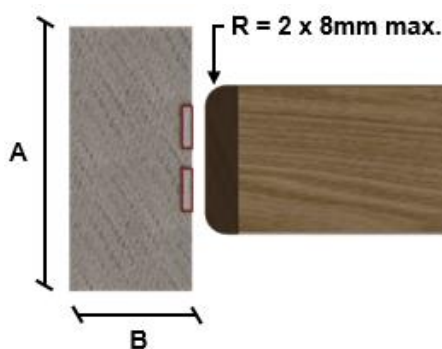
A: Frame depth = 70mm minimum

B: Frame width = 30mm minimum

R: Radius from floor spring or pivot = 8mm maximum to create a maximum 2mm edge profiling

### 7.3.3 Square frame detail for double acting doorsets

The diagram below shows detail of the square frame construction for the closing edge of a double acting doorset. Where utilising square frames for double acting doorsets, any radius to the lipping must comply with section 5.3.



A: Frame depth = 70mm minimum

B: Frame width (Jambs) = 30mm minimum

B: Frame width (Head) = 47mm minimum (to fully incorporate the door pivot within the frame head)