
Title

Field of Application for:
Strebord® & Stredor® Range of
Doorsets in Timber Based Door
Frames

For 30 minutes Fire Resistance

Report No.:

WF407090 Revision C

Issue Date:

14th July 2023

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30th January 2028

Job Reference:

WF534447

Prepared for:

Falcon Timber Limited

Clock House
Station Approach
Shepperton
TW17 8AN
United Kingdom

4.5.4.1 General Note on Intumescent Seals

- Intumescent seals are to be fitted centrally unless stated otherwise.
- Intumescent seals must run the full length of the leaf edge, with tightly formed abutting corner joints where the leaf edges meet, unless stated otherwise.

4.5.4.2 Explanation for following sections

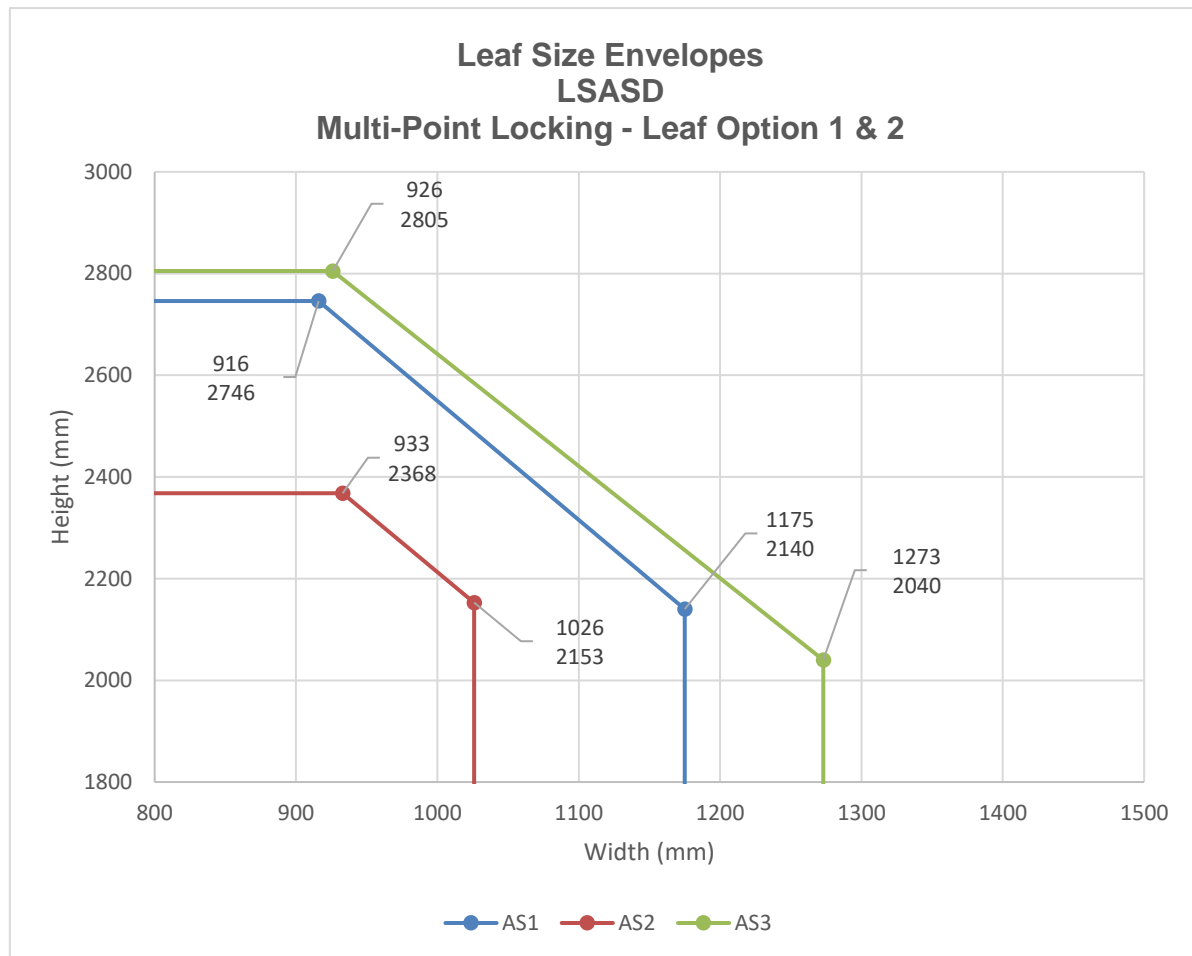
The performance of a doorset in terms of configuration and size is dependent on the leaf type, perimeter intumescent used and frame type. These elements are not automatically interchangeable. The following sections present the envelopes for the 4No. leaf types. Each envelope is linked to a specific perimeter intumescent which is given a unique reference and is based directly on test evidence.

The envelopes are presented as follows: -

- Each leaf size envelope is presented for the different type of door core at the same thickness,
- Each intumescent specification is considered separately, and a unique envelope of permitted leaf sizes is presented based on the configuration, and intumescent and the envelope is directly linked to a unique test.

4.5.5 LSASD Configuration: Leaf Sizes & Intumescent Specification

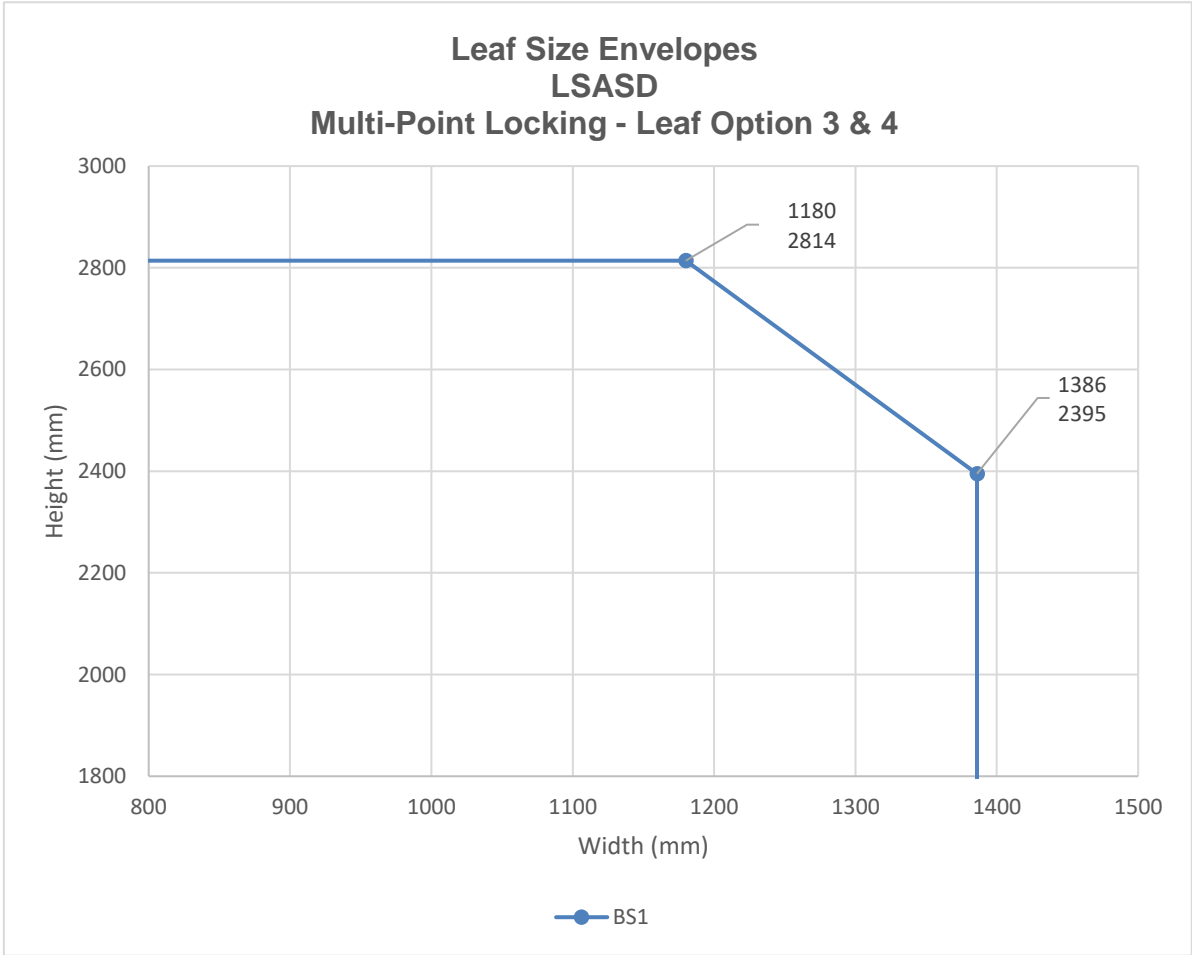
Doorset created from Leaf option 1 or 2



Intumescent Specification for LSASD Leaf 1 (Strebord® 44) & Leaf 2 (Stredor® 44)			
Intumescent Spec. Reference & (Test Reference)	Make / Type	Manufacturer / Supplier	Location & Size
AS1 (WF391843)	STS104FO 10 (w) x 4 (t)	Sealed Tight Solutions Ltd	Head & Jambs: 2No. fitted 5mm either side of the centre line within the frame reveal
AS2 (WF416690 Issue 2)	8500 10 (w) x 4 (t)	Pyroplex Ltd	Head & Jambs: 2No. fitted 5mm either side of the centre line within the frame reveal

Intumescent Specification for LSASD Leaf 1 (Strebord® 44) & Leaf 2 (Stredor® 44)			
Intumescent Spec. Reference & (Test Reference)	Make / Type	Manufacturer / Supplier	Location & Size
AS3 (WF432578 Issue 1)	LP1004 10 (w) x 4 (t)	Lorient Polyproducts Ltd	Head & Jambs: 2No. fitted 5mm either side of the centre line within the frame reveal

4.5.6 **LSASD Configuration: Leaf Sizes & Intumescent Specification**
Doorset created from Leaf option 3 or 4



Intumescent Specification for LSASD Leaf 3 (Strebord® 54) & Leaf 4 (Stredor® 54)			
Intumescent Spec. Reference & (Test Reference)	Make / Type	Manufacturer / Supplier	Location & Size
BS1 (WF391843)	STS154FO	Sealed Tight Solutions Ltd	Head & Jambs: 2No. fitted 5mm either side of the centre line within the frame reveal

10.2 Intumescent to Hardware

The intumescent materials used to protect hardware that have been tested and assessed for this doorset design are detailed below. Note that any one of the product/matrix options listed in the table may be used in the specific application noted. However, only 1 manufacturer should be considered per doorset application.

The door gap perimeter intumescent seal specifications are documented in conjunction with the leaf envelope size limitations in section 4.

Hardware Intumescent Specification		
Item	Location	Product/Manufacturer
Hinges	Under each hinge blade	Not required.
Lock/latches	Under keeps	See details for each specific item as detailed within section 10.4.1.
	Under forend	
	Encasing centre lock body	
	Encasing top and bottom lock bodies	
	Encasing lock motor box (if applicable)	
Concealed overhead closers	Encasing the entire body of the concealed closer and slide arm including the back surface of the face plate	See details for each specific item as detailed within section 10.7.1

Gaskets must be fitted where required by supporting evidence, for example, test evidence or Certifire certificates. If gaskets are not required by the supporting evidence but are within this Field of Application, the requirements of this Field of Application take precedence.

Where it is stated that intumescent is not required for a particular element of hardware, it is permitted to use up to 2mm thick MAP, Interdens or graphite-based gasket tested for the particular application [as appropriate for the hardware]. It is the opinion of Warringtonfire that the additional protection will not detract from the fire resistance performance under test conditions.