



High Wycombe Office:
Chiltern House, Stocking Lane,
High Wycombe,
HP14 4ND,
United Kingdom
T: +44 (0)1494 569750
W: www.warringtonfire.com

Title

Field of Application for:
The Warm Springs Composite
Products Range of Doorsets

For 60, 90 and 120 minutes Fire
Resistance

Report No.:

Chilt/A12138 Revision B

Issue Date:

12th October 2023

Valid Until:

01st February 2027

Job Reference:

511608

Prepared for:

Falcon Timber Limited

Clock House,
Station Approach,
Shepperton,
Middlesex,
TW17 8AN

The version/revision stated on the front of this Field of Application supersedes all previous versions/revisions and must be used to manufacture doorsets from the stated validity date on this front cover. Previous revisions of the Field of Application cannot be used once an updated Field of Application has been issued under a new revision.

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/manufacture options listed in the table may be used in the specific application noted.

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

The below table details the minimum intumescent protection required for each element of building hardware. For the purpose of this assessment, it has been necessary to establish a minimum base line on performance of the doorset to the highest classification, therefore hardware protection requirements for 120 minutes are to also be applied at 60 and 90 minutes fire resistance.

Hardware Intumescent Specification		
Item	Location	Product/Manufacturer
Hinges	Frame options 1, 2 & 3: Located under each blade of the hinge.	<ul style="list-style-type: none"> 2mm thick WSCP Strip-seal, ammonium phosphate based (CFR1410311)
Lock/latches	Under forend & keep (and at base of latch and lock rebates in frame) for all doorsets	<ul style="list-style-type: none"> 2mm thick WSCP Flex-seal raw graphite type (CFR1410311)
	Encasing latch body	Not required
Concealed overhead closers	Encasing the entire body of the concealed closer and slide arm including the back surface of the face plate	2mm thick interdens (RF12178 A & B)
Flush bolts	Lining the body of the flush bolt including the back surface of the face plate as tested CFR1410311	1mm thick WSCP Flex-seal raw graphite type (1No 53 x 19 x 1mm and 2No 55 x 6 x 1mm)



Example of hinge protection detail