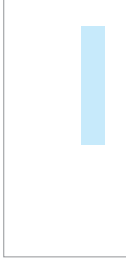

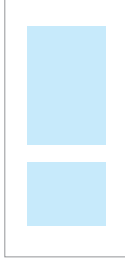


Hallmark STC41 60 Minute Fire/Acoustic Doors



LEAF SIZES	
Max Single Leaf	2813mm x 849mm to 2193mm x 1130mm (refer graph on following page)
Max Double Leaf	2441mm x 881mm to 2056mm x 1055mm (refer graph on following page)

TYPICAL VISION PANEL ARRANGEMENTS			
			<p>Numerous options available - please contact our sales team</p>

Acoustic Performance Summary - Single Leaf

	Acoustic Seal Set	Threshold Required	Intumescent Seal(s)			Glass Type	dB (Rw) Rating	Fire Rating	Acoustic Test Reference
			Jambs	Head	Meeting Stile				
Single Leaf - Glazed									
SLSS Glazed	C	LAS 4014si	2no LP 1504DS	2no LP 1504DS	n/a	17mm Pyrobel	40dB	FD60	LOR 141110 003
SLSS Glazed	C	LAS 4014si	2no LP 1504DS	2no LP 1504DS	n/a	25mm Pyrobel	41dB	FD60	LOR 141113 001

Acoustic Performance Summary - Double Leaves

	Acoustic Seal Set	Threshold Required	Intumescent Seal(s)			Glass Type	dB (Rw) Rating	Fire Rating	Acoustic Test Reference
			Jambs	Head	Meeting Stile				
Double Leaves - Flush									
DLSS Flush	D	LAS 4510	2no LP 1504DS	2no LP 1504DS	3no LP 1004DS	n/a	39dB	FD60	LOR 140414 003

Fire Tested to BSEN 1634-1: 2008 and BSEN 1363-1:1999 Test Sample: glazed pair, leaf size 2100mm x 970/958 rebated m/s
For Fire Performance assessed parameters based on IFC Field of Application PAR_13088_01 see following page

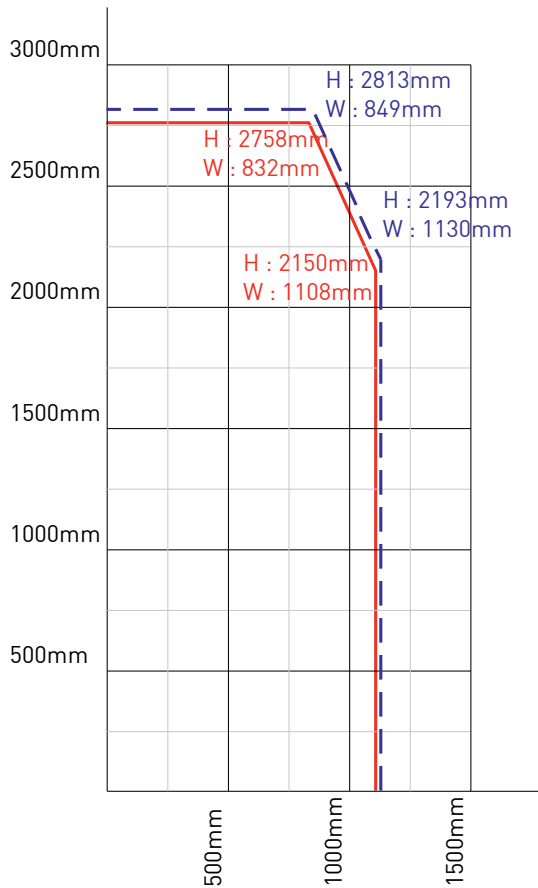
Note 1: Assumes hard surface for dropseal to act onto (e.g. tiles/dense carpet). If soft surface then a NOR 600 range flat threshold plate is recommended
Note 2: Pyroplex intumescent seals (as tested) or any PVC-encased graphite based intumescent seal

Assessed Fire Performance Parameters

Single Acting Single Leaf

UNLATCHED FD60 in Red Solid

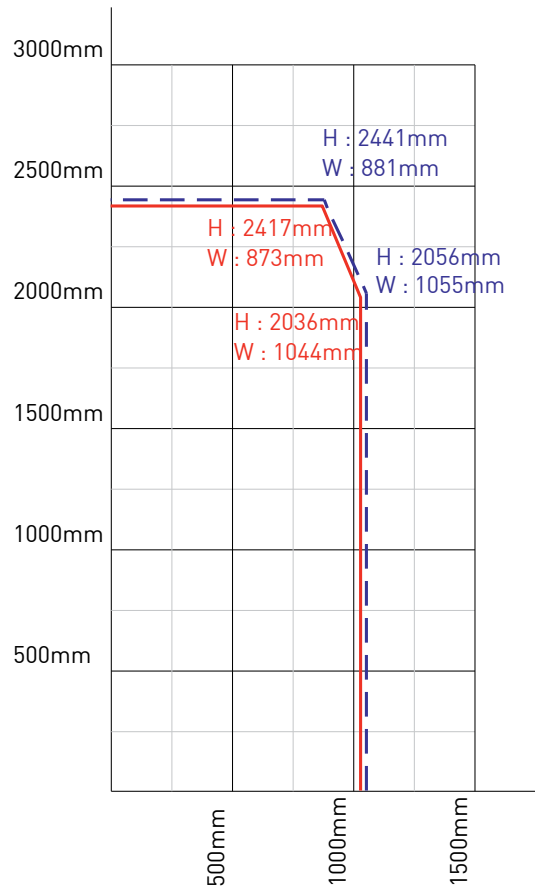
LATCHED FD60 in Blue Dashed



Single Acting Double Leaf

UNLATCHED FD60 in Red Solid

LATCHED FD60 in Blue Dashed



Assessed Fire Performance Parameters from IFC Field Of Application PAR_13088_01
Construction and configuration must be as per the detail in this report.

All Intumescent Seals are to be PVC-encased Graphite based

Doorset Config	Jambs	Head	Active Leaf Meeting Stile	Passive Leaf Meeting Stile
Single leaf	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	n/a	n/a
Double Leaf Flush Meeting Stiles	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	2no 10mmx4mm fitted 10mm apart centrally	1no 10mmx4mm fitted centrally
Double Leaf Unequal Rebated Meeting Stiles	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	2no 15mmx4mm fitted 10mm apart centrally in Frame reveal	2no 10mmx4mm fitted 10mm apart centrally in 39mm rebate	1no 10mmx4mm fitted centrally in 18mm rebate