

# Halspan R90 Seals for Timber Door Assemblies

## Fire, Smoke & Acoustic Seal Kits

**Halspan R90** seals have been fully tested to BS 476: Part 22: 1987 for performance to 90 minutes fire resistance in the specific application of Halspan Fire Doors in timber frames. All seals have a self-adhesive backing strip for ease of installation and are supplied pre-packed with sufficient seals to install one Halspan FD90 doorset.



### For FD90 Fire Rated Door Timber Assemblies

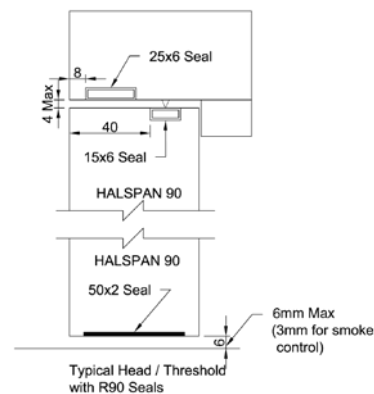
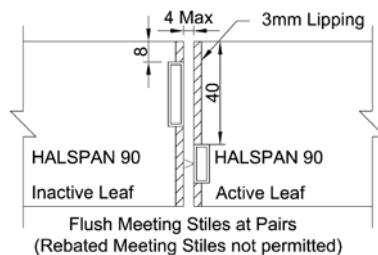
<b>Tested in Accordance with:</b>	BS 476: Part 22: 1987
	*See notes section overleaf on smoke control and further considerations for other relevant test standards



### Product Codes & Specification\*

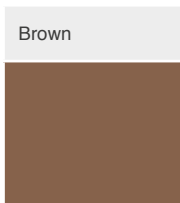
Door Kits	Product Code	Component Quantities (2150mm & 2500mm Lengths)		
		15mm x 6mm	25mm x 6mm	50mm x 2mm
Single	SLS-KIT-102	2.5	2.5	0.5
Double	SLS-KIT-101	4	4	1
*Refer to manual for application				

### Design Guide



### Colours

Halspan R90 Plain and Blade seals are available in Brown.





## General Notes

### A Note on Smoke Control

(Extract Exova Global Assessment- ref. FEA/F96103)

If the doorset design is required to provide a smoke control, it must have a leakage rate not exceeding 3m<sup>3</sup>/m/hour (head and jambs only) when tested at 25Pa under BS 476 Fire tests on building materials and structures, Section 31.1 - Methods for measuring smoke penetration through doorsets and shutter assemblies, Method of measurement under ambient temperature conditions, or meet the additional classification requirement of Sa when tested to BS EN 1634-3: 2004 - Fire resistance tests for door and shutter assemblies, Part 3 – Smoke control doors.

Smoke seals or combined intumescent/smoke seals that are fitted to the door to achieve the performance requirements specified above, must have been tested in accordance with the associated test method.

### Further Considerations

Note that there is other guidance available, including BS 9999-2017 - Code of practice for fire safety in the design, management and use of buildings, which may impose different or additional requirements, such as consideration of the gap between door leaf and threshold.

Responsibility for the appropriate smoke sealing specification and performance of the doors should be agreed between the relevant parties (i.e. specifier, manufacturer, contractor) prior to commencing manufacture and/or installation. Additional guidance on smoke sealing is given in BS 8214: 2008, "Code of practice for fire door assemblies" and BS 9999: 2017 "Code of practice for fire safety in the design, management and use of buildings" both of which advise that for effective ambient smoke sealing the threshold gap should either be controlled to a maximum of 3mm or a suitably fire performance tested threshold drop down seal fitted- Halspan drop seal: SLS-DRP.

**Seals should be uninterrupted around ironmongery to maintain optimum smoke integrity.**

## Supporting Test Data

Fire test data: Chilt/A05151

Smoke test data: WYC406902-01