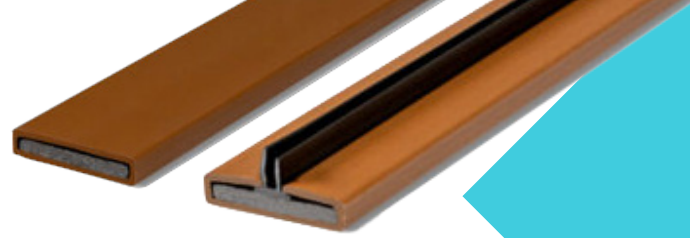




HALSPAN[®]



Halspan R90 Utility Kit

Seal Kit for 90 Minute Timber Door Assemblies



Halspan R90 Seals have been fully tested to BS 476: Part 22 for performance to 90 minutes fire resistance in the specific application of Halspan Fire Doors in timber frames.

The standard length is 2100mm/1050mm although special lengths can be produced to order. All seals have a self-adhesive backing strip for ease of installation, and are supplied pre-packed with sufficient seals to install 1 Halspan FD90 door assembly.



Fire Rating 90 Minute

Tested in Accordance with:	BS 476: Part 22* *See notes section overleaf on smoke control and further considerations for other relevant test standards
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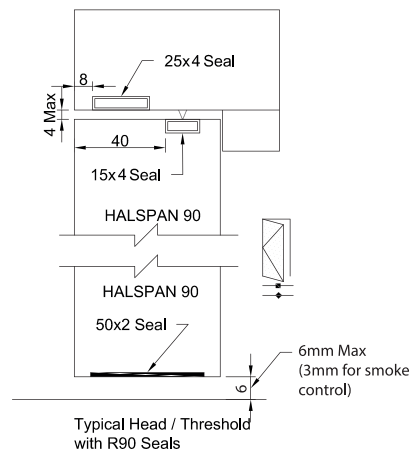
Product Codes & Specifications

Product Code: SLS-KIT-501

FD90 Single Utility Kit Components

Colour	Product Code	Single Component Quantity (2100mm Lengths)		
		15mm x 4mm Blade	25mm x 4mm Plain	50mm x 2mm Plain - Seal Only
● Brown	SLS-KIT-501-BR	2.5	2.5	0.5
● Black	SLS-KIT-501-BK			
○ White	SLS-KIT-501-WH			
				

Design Guide





Smoke

A Note on Smoke Control

(from BS 8214: 2016)

The test standards for determining smoke leakage are BS 476-31.1 and BS EN 1634-3. Smoke leakage is essentially the transfer of airborne particles of the products of combustion, and sealing systems are used to restrict this air flow. Seals are used to fill the gaps between the door leaf and the frame. As such, they can have an adverse effect on the operating forces required to use the door if not carefully fitted. Removal of seals to accommodate door hardware increases the leakage rate. Seals that fit in the centre thickness of the door are generally subjected to friction effects detrimental to the durability of the seal and the easy use of the door. Seals applied to the face of the doorstop are unlikely to have a noticeably adverse effect on the forces required to open the door. Doorstop-mounted seals might prevent the door from latching or closing if incorrectly fitted, or when incorporated within a door rebate that has not been designed to accommodate such seals.

Fire doors that are required by the appropriate building regulations to restrict the flow of ambient temperature smoke, identified by the suffix S, e.g. FD30S, FD 30S (BS 476-31) or the suffix Sa, e.g. E 30Sa (BS EN 1634-3), should be fitted with smoke seals. When installed, the threshold gap should, where practicable, be sealed by a (flexible edge) or automatic drop seal, either with a leakage rate not exceeding 3 m³/h per metre at 25 Pa when tested to BS 476-31.1 or BS 1634-3, or just contacting the floor, giving an even contact with the floor but not exhibiting significant increased frictional forces that could interfere with the closing action of the door.

Halspan strongly recommend the use of our SLS-DRP range of automatic drop seals and SLS-TRI triple fin seals to ensure compliance on smoke rated doorsets.

Supporting Certification & Test Data

Certification - Fire

- Warringtonfire Halspan 90 Field of Application Report Chilt/A05151

Smoke Test Data

- WYC406902-01

The information in this datasheet is correct at time of going to press. However our designs, specifications and certifications may change in the interest of product development following publication. If you would like to make a query about any of the details in this document, please contact Halspan via our website, or call our office in the UK on +44 (0)3300 563836.

