

Halspan R30 & R60 Seals for Timber Door Assemblies

Fire, Smoke & Acoustic Seals

Halspan have developed a range of fire and smoke seals to complement their range of fire rated door blanks. Halspan 30 and 60 minute Fire and Smoke Seals have been fully tested to BS476: Part 22: 1987 and BS EN 1634: Part 1: 2008 for performance to 30 and 60 minutes fire resistance. Additional testing has been undertaken to EN1634 Part 1 in Spain, Poland, Hungary and other EU states.









For FD30 & FD60 Fire Rated Door Timber Assemblies

| | |
|-----------------------------------|---|
| Tested in Accordance with: | BS 476: Part 22: 1987, BS EN 1634: Part 1: 2008 and EN1634 Part 1 |
| | *See notes section overleaf on smoke control and further considerations for other relevant test standards |



Product Codes & Specification

| Product Code | Standard Length | Profile | Profile | Profile |
|--------------|-----------------|---|---|---|
| SLS-PLA | 2100mm |  10mm x 4mm |  15mm x 4mm |  20mm x 4mm |
| SLS-TWF | 2100mm |  10mm x 4mm |  15mm x 4mm |  20mm x 4mm |

The seals are available in the following sizes: 10mm x 4mm, 15mm x 4mm and 20mm x 4mm depending on your performance requirements. The standard length supplied is 2100mm, although special lengths can be produced to order. All seals are supplied complete with a self-adhesive backing strip for ease of installation. Max gap size 3mm-4mm.

Plain or Fin varieties can be offered. Plain for fire only or Fin for fire, smoke (BS476 Part: 31.1 and EN1634: Part 3) and, in addition, acoustic performance.

Colours

Halspan fire seals are PVC encapsulated in a range of colours shown below. Any RAL colour can be supplied subject to special order. Halspan Seals are graphite based.

| | | | |
|---|---|--|---|
| White | Black | Cream | Red |
| |  |  |  |
| Light Brown | Dark Brown | Light Grey | Slate Grey |
|  |  |  |  |

(Refer to manual for application)

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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 3m³/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

Twin Fin smoke test data: WF405757, WYC406080 - 02, 03, 04 & 05

