

# Access Floor Firestop

Fire protection solution for voids below access floors

As part of the comprehensive FirePro® range of fire protection products, FirePro® Access Floor Firestop is a specifically developed product, designed to provide cavity fire stops for use in voids between raised access floors and the floor slabs.

The product has been designed as a one-piece system and affords easy cutting and installation. It offers unique lateral compression to allow tightness of fit.

The product is available in two versions:

AF 30; giving 30 minutes fire resistance.

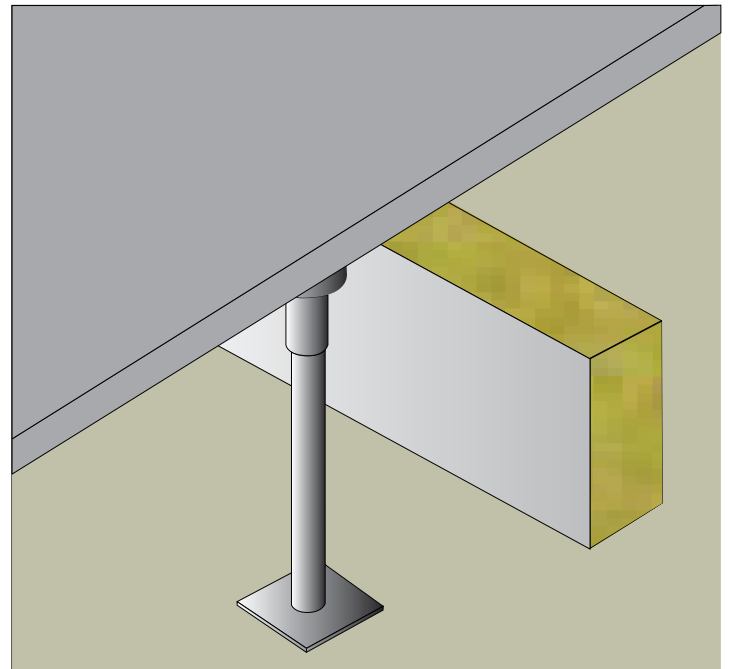
AF 60; giving 60 minutes fire resistance.

## Advantages

- Easy to cut and install
- Ensures site tolerances are accommodated
- Tested over 60 minutes fire resistance
- Excellent acoustic performance
- Resists the passage of smoke - aluminium foil faced on both sides
- Provides excellent lateral compression
- Suitable for cavity heights up to 600mm
- Available in slabs or strips

## Standards and approvals

FirePro® AF 30 and AF 60 Access Floor Firestops have been tested and assessed in accordance with BS 476: Part 20 1987 and have achieved 30 minutes and 60 minutes fire insulation and integrity respectively. Please refer to LPC Test Report TE 91727 and Assessment number CC91988.



Access Floor FireStop installed below a typical access floor

## Dimensions

### FirePro® AF 30 Firestop

1200 x 1000 x 100mm thickness

### FirePro® AF 60 Firestop

1200 x 1000 x 120mm thickness

The products are faced on both sides with reinforced aluminium foil to give Class O rating and excellent smoke resistance.

The slabs are designed to be cut on site to produce cavity fire stops of 1000mm length and in widths to suit individual floor void depths between 50 and 600mm.

## Estimating quantities

The chart below indicates the usage of Access Floor Firestop Slabs of dimension 1200 x 1000mm. Accurate site cutting practices are assumed.

Cavity Size (mm)	Linear metres per slab (LM)	AF 30 Slab LM per pack	AF 60 Slab LM per pack
100 - 110	10	30	20
111 - 123	9	27	18
124 - 140	8	24	16
141 - 161	7	21	14
162 - 190	6	18	12
190 - 230	5	15	10
231 - 290	4	12	8
290 - 390	3	9	6
390 - 400	2	6	4
401 - 590	2	-	4
590 - 600	1	-	2

NOTE : Fixing brackets are NOT required for voids up to and including 400mm. For voids greater than 400mm, AF 60 should be used for both 30 and 60 minute fire resistance requirements together with brackets. (See Sitework)

## Performance

### Fire

The base stone wool of FirePro® Access Floor Firestop is inherently non-combustible. Rockwool products will withstand temperatures in excess of 1000°C.

### Acoustic

When used below access floors FirePro® Access Floor Firestops will reduce appreciably the levels of airborne sound transmission through the floor cavity.

### Resistance to moisture

FirePro® Access Floor Firestops are water repellent.

### General

For the chemical and physical characteristics of Rockwool materials see Data Sheet 001 'Performance and properties'.

## Sitework

Access Floor Firestops are designed for cutting on site with a sharp knife or saw and a straight edge. The access floor cavity to be firestopped should be measured and the Access Floor FireStop cut to suit the dimension.

Pieces cut to required depth are also available.

Cutting should be along the 1000mm Axis only.

The fixing sequence is as follows:

- 1 Cut the Access Floor Firestops allowing an additional 7 – 10mm for compression when fitted.
- 2 The product should be fitted vertically into the void, tightly butted and aligned to the adjacent Access Floor Firestop.
- 3 The vertical joints between individual AF 30 or AF 60 Access Floor Firestops should be sealed with self adhesive class O aluminium foil tape. This can be used to totally enclose the unfaced surfaces if required.

### VOIDS up to 400mm

AF 30 and AF 60 Access Floor Firestops do not require any fixing to the access floor or the structural floor.

### VOIDS from 401 to 600mm

For voids above 400mm, AF 60 Access Floor Firestops should be used for both 30 and 60 minute fire resistance requirements.

ROCKWOOL® SP/L fixing brackets are required for additional stability of the assembly. The fixing brackets are impaled centrally into the base of the Firestops from alternative sides at 500mm centres. The brackets should be mechanically fixed to the structural floor using metal fixings.

## Service Penetrations

### Cable trays/Trunking

Services must be supported on either side of the Access Floor Firestops at points of penetration. If gaps are created by inaccurate cutting offcuts of Access Floor Firestop must be inserted. This material must be tightly compressed around the penetration.

For protection of the services themselves, please refer to the Wilhams FirePro® range of solutions.

Reference should be made to the requirements of Section 10 of Approved Document B of the Building Regulations which may require the use of additional sleeving to the trunking or trays.

Reference should be made to the requirements of the current IEE Wiring Regulations governing the rating of cables enclosed within insulation.

## Site Use

### Storage and handling

FirePro® Access Floor Firestop Slabs are supplied compression wrapped in polythene, which will provide short term protection. For long term storage they must be protected by a waterproof covering.

### Ordering

FirePro® AF 30 FireStop - There are 3 Slabs per pack.

FirePro® AF 60 FireStop - There are 2 Slabs per pack. The chart above will assist estimators.

FirePro® is the registered trademark of Wilhams Insulation Far East Sdn Bhd



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