

Firebreak Bags

<p>DESCRIPTION</p>	<p>Firebreak Bags comprise of a heavy duty coated glass cloth bag containing a blend of graded mineral wools and heat expandable fillers.</p>
<p>APPLICATIONS</p>	<ul style="list-style-type: none"> • Temporary seals around penetrating services through openings in fire separating walls and floors; for example, during the construction phase of large building projects • Permanent reusable seals around penetrating services through openings in fire separating walls and floors where frequent service modification is required • Sealing cables within cable trunking where future service modification is expected
<p>CHARACTERISTICS AND FEATURES</p>	<p>Features of Firebreak Bags include:</p> <ul style="list-style-type: none"> • Up to 240 Minutes Fire Resistance • Independently fire tested and assessed to the requirements of BS 476 : Part 20 : 1987 and additional guidelines from prEN 1366-3 and to other National Standards • Fire tested in both horizontal and vertical orientations • Manufactured to the requirements of BS EN ISO 9001 : 2000 • Constructed using heavy duty coated glass cloth for strength and durability • Easily installed by hand and/or using simple tools • Remains flexible from -20°C to $+130^{\circ}\text{C}$ allowing for thermal and mechanical movement of services • Unaffected by moisture or CO_2 • Non-toxic and free of asbestos and halogens • Suitable for external use • Can be reused over and over again
<p>LIMITATIONS</p>	<p>It is the user's responsibility to determine suitability of use.</p>
<p>PRODUCT DETAILS</p>	<p>Firebreak Bags are supplied in the following sizes:</p> <p>Large: 330 x 200 x 45mm (385g)</p> <p>Medium: 330 x 200 x 25mm (185g)</p> <p>Small: 330 x 50 x 20mm (50g)</p> <p>Approximate number of Firebreak Bags per m^2 for 150mm deep seal:</p> <p>Wall: 117 Large or 217 Medium Floor: 60 Large or 120 Medium</p> <p>Maximum flexibility is achieved by the use of a mixture of Firebreak Bag sizes.</p>

Firebreak Bags
Data Sheet

STORAGE

Whilst **Firebreak Bags** are not damaged by water it is recommended that for ease of use they be stored indoors. Unused Bags do not deteriorate under such conditions and therefore have an indefinite shelf life.

FIRE SEAL DESIGNS

Firebreak Bags may be used to seal openings of up to 1m² around penetrating cables, including power cables; steel cable conduit; steel cable trunking; steel pipes; copper pipes; plastic pipes and steel ductwork. 120 minute fire resistant seals are presented in Table 1:

NOMINAL DEPTH OF SEAL (mm)						
Structure	Services*	Integrity /Insulation	Fire Resistance Period (mins.)			
			30	60	90	120
Floor	No	Int. + Insul.	150	150	200	200
	Yes	Int. + Insul.	150	200	250	300
	Yes	Int. only	150	150	200	200
Wall	No	Int. + Insul.	150	180	250	300
	Yes	Int. + Insul.	150	200	250	300
	Yes	Int. only	150	180	250	300

* Services include cables; cable trays and ladders; trunking and conduit; steel pipes and copper pipes. For ducts with dampers, the damper should be suitably independently supported and the performance achieved will be limited to that of the component when tested.

For seals designs in excess of 120 minutes please refer to supplier.

DIRECTIONS FOR USE

- **Firebreak Bags** should be packed tightly around the penetrating services within the opening in the floor or wall to the minimum depth prescribed in the above Table 1.
- In the case of floor openings, the **Firebreak Bags** should be laid flat with staggered joints and supported on a 5mm dia. Galvanised mild steel mesh cut to fit closely around penetrating services. The mesh should be fixed around the opening perimeter at 200mm maximum centres using steel fixings that do not rely on plastic components.
- The main body of the seal should be complete using **Firebreak Large Bags** with **Firebreak Medium Bags** and **Firebreak Small Bags** used to fill in smaller voids.
- In the case of cable trunking one or more **Firebreak Small Bags** should be packed around the cables inside the trunking where it passes through the main seal.

Since the product is applied under circumstances beyond our control, Neutron Fire Technologies Ltd can accept no direct or consequential liability whether in contract or in tort, for the interpretations of such recommendations and reserves the right to modify the recommendations as necessary.



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