

Astro FS Block - Installation Guide



Introduction

The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of service penetrations in walls and floors using the Astro FS Block.

All service holes through floors and compartment walls must be fire stopped to prevent the passage of fire, smoke and hot gases. The key points for intumescent passive fire protection products are :-

- Prevent the spread of fire, smoke and hot gases through a building by containing it in the compartment of origin.
- Maintain the integrity of escape routes from a building.
- Reduce loss or damage to property from the effect of fire and smoke.
- Maintain pressure differential between compartments and ventilation channels.

Installation

- 1) Fold or cut the Fire Stop Block to suit the penetration or opening as required.
- 2) Ensure that the Fire Stop Block is tightly friction fitted with minimum 10% compression and that any gaps are filled. All joins should be tightly butt jointed.
- 3) The Fire Stop Block should be fitted so that the red polythene coating is visible for easy identification on site.
- 4) Where the Fire Stop Block is fitted within metal or plastic trunking, intumescent sealant should be used to seal any gaps around the trunking.

When used in up to 6" x 6" Metal Trunking and up to 100mm x 100mm PVC Trunking, the product achieves E1120 (Integrity and Insulation).

On the Cable Basket Sleeve it achieved E120 (Integrity) and any insulation ratings needs to be clarified with the test centre as different cables reached different temperatures.

Fire Test or Assessment Reports

Tested to BS EN 1363-1:1999 for up to 120 minutes

Test Report No: IF011059 Chiltern Int. Fire
E1120 on up to 100x100mm PVC Trunking

E1120 on up to 150x150mm Steel Trunking
E120 on Cable Basket and various Cable Types

For specific fire insulation ratings contact Astroflame

Storage and disposal

For long term storage and ease of installation, it is recommended that the product should be stored indoors. No shelf life is given as this product will not deteriorate in storage.

Issue 01/11

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