

Installation Guide

Introduction

To ensure an effective firestop within a plasterboard and steel stud or plasterboard and timber partition wall, the FireWrap needs to be fitted within a Galvanised Metal Sleeve to ensure that the FireWrap is properly supported and contained, so that the expansion of the intumescent material in the FireWrap moves inwards to close the softened plastic duct in the event of a fire within the room.

This product and method of installation has been independently tested by Chiltern International Fire to BS EN 1366 Part 3 2009 and achieved up to a 2hr Firestop Rating and a copy of the appropriate Test Reports are available on request.

Preparation

Installers should ensure that they have selected the correct FireWrap and Galvanised Metal Sleeve for the ducting system to be installed, by referring to the appropriate Technical Data Sheet. Installers should also have a minimum 2 hr fire rated intumescent mastic available.

Installation

The position of the penetration through the wall will be determined by customer preference, the site conditions, the size of ducting to be installed and the fixing of the Galvanised Metal Sleeve. All Rectangular Galvanised Metal Sleeves should be positioned in the aperture with the two fixing lugs at the bottom. This will allow close fitting to the floor slab above, if required, or close fitting in either top corner or either end of the partition wall. For Round Galvanised Metal Sleeves, the Sleeve may be rotated to position the lugs to allow close fitting to the floor slab above, or to corners and side walls.

Once the position of the penetration is known, the Galvanised Metal Sleeve may be offered up and the wall marked around the outside with a pencil to determine the aperture size. Alternatively, you may use the Recommended Cut Aperture Size from the Technical Data Sheet. When cutting the aperture in the plasterboard on both sides of the wall, care is needed to ensure that the two apertures are aligned correctly.

Once the aperture has been prepared, the Galvanised Metal Sleeve should be positioned centrally in the aperture and secured in position by fixing with screws through the fixing lug holes. The fixing lugs would

normally be positioned on the "working side" of the wall such that the sleeve will protrude 5mm from the aperture on the working side and at least 5mm from the aperture on the far side.

When the Galvanised Metal Sleeve has been securely fixed in position, a 5mm web of intumescent mastic should be applied around the outside of the Galvanised Metal Sleeve and into any gaps between the plasterboard aperture and the protruding Galvanised Metal Sleeve. This should be repeated around the exit of the Galvanised Metal Sleeve on the other side of the plasterboard wall.

The run of plastic ducting should now be fitted centrally through the Galvanised Metal Sleeve and supported in position with fixing brackets on both sides of the wall, no more than 150mm away from the wall penetration on either side.

Once the ducting is secured in position, the FireWrap should be wrapped around the duct close to the Galvanised Metal Sleeve and secured firmly around the duct with the adhesive tab. The FireWrap should then be gently eased into the Galvanised Metal Sleeve and positioned centrally within the thickness of the partition wall.

Once the FireWrap is in position, the intumescent mastic should be checked again on both sides of the wall to ensure that there are no voids around the outside of the Galvanised Metal Sleeve and the plasterboard aperture and this should be replenished if necessary to complete the job.

Disclaimer

This Installation Guide has been provided for general guidance and when read in conjunction with the Fire Test Report for these products, should satisfy Building Control. However, it may not cover all installations or special requirements imposed by some local Building Control Inspectors. In these circumstances, the onus is on the Specifier, Installer and End Customer to ensure that the product and installation is acceptable to Building Control prior to installation.

combinations or assemblies. Failure to use products in any combination or assembly and/or failure to demonstrate adherence to this Installation Guide will render our Warranty null and void.

