

Technical Data Sheet

The technology behind the lifestyle.

FireWraps for Masonry Walls & Masonry or Concrete Floors
with 2 hr rating to BS 476 Part 20 & 22 : 1987

System Type	Ducting Size (mm)	FireWrap Code	FireWrap Dimensions	Recommended Cut Aperture Size
System 100 Rectangular	110 x 54	FW110X54	100mm Wide x 4mm Thick	125mm x 65mm
System 125 Rectangular	150 x 70	FW150X70	100mm Wide x 8mm Thick	170mm x 90mm
System 150 Rectangular	180 x 95	FW180X90	100mm Wide x 8mm Thick	200mm x 115mm
System 204 Rectangular	204 x 60	FW204X60	100mm Wide x 8mm Thick	224mm x 80mm
System 225 Rectangular	233 x 29	FW225X25	100mm Wide x 4mm Thick	243mm x 40mm
System 300 Rectangular	310 x 29	FW300X25	100mm Wide x 4mm Thick	320mm x 40mm
System 100 Round	103.2mm OD	FW100	100mm Wide x 8mm Thick	125mm Dia
System 125 Round	128.4 mm OD	FW125	100mm Wide x 8mm Thick	150mm Dia
System 150 Round	153.6mm OD	FW150	100mm Wide x 12mm Thick	185mm Dia

Updated 10/05/2011

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FireCuffs for up to 2hr Fire Rating to BS EN 1366 Part 3 : 2009
in Partition Walls up to 132mm Thickness

System Type	Ducting Size (mm)	FireCuff Code	FireCuff Dimensions Width x Depth x Length (mm)	Recommended Cur. Aperture Size Width x Depth	Fire Rating BS EN 1366 Part 3 2009
System 100 Rectangular	110 x 54	FC110X54	160 x 104 x 180 Long	160mm x 104mm	2 hr
System 125 Rectangular	150 x 70	FC150X70	200 x 120 x 180 Long	200mm x 120mm	2 hr
System 204 Rectangular	204 x 60	FC204X60	254 x 110 x 180 Long	254mm x 110mm	2 hr
System 220 Rectangular	220 x 90	FC220X90	278 x 148 x 180 Long	278mm x 148mm	90 mins
System 225 Rectangular	233 x 29	FC225X25	284 x 79 x 180 Long	284mm x 80mm	2 hr
System 300 Rectangular	310 x 29	FC300X25	358 x 79 x 180 Long	358mm x 80mm	2 hr
System 100 Round	103.2mm OD	FC100X150	160 OD x 150 Long	165mm Dia	2 hr
System 125 Round	128.4 mm OD	FC125X280	185 OD x 280 Long	190mm Dia	2 hr

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FireWraps & Galvanised Metal Sleeves for Partition Walls up 132mm thickness and up to 2 hr rating to BS EN 1366 Part 3 : 2009

System Type	Ducting Size (mm)	FireWrap Code	FireWrap Dimensions	Galvanised Sleeve	Sleeve Dimensions w x d x L (mm)	Recommended Cut Aperture Size	Fire Rating BS EN 1366 Part 3 2009	Installation Guide
System 100 Rectangular	110 x 54	FW110X54	100mm Wide x 4mm Thick	FWS110X54X141	124 x 70 x 141	126mm x 72mm	2 hrs	VIG 2011 Issue 2
System 125 Rectangular	150 x 70	FW150X70	100mm Wide x 8mm Thick	FWS150X70X141	172 x 92 x 141	174mm x 94mm	2 hrs	VIG 2011 Issue 2
System 150 Rectangular	180 x 95	FW180X90	100mm Wide x 8mm Thick	FWS180X90X141	202 x 114 x 141	204mm x 116mm	2 hrs	VIG 2011 Issue 2
System 204 Rectangular	204 x 60	FW204X60	100mm Wide x 8mm Thick	FWS204X60X141	232 x 82 x 141	234mm x 84mm	2 hrs	VIG 2011 Issue 2
System 220 Rectangular	220 x 90	FW220X90	100mm Wide x 8mm Thick	FWS220X90X141	242 x 112 x 141	244mm x 116mm	60 mins	VIG 2011 Issue 2
System 225 Rectangular	233 x 29	FW225X25	100mm Wide x 4mm Thick	FWS225X25X141	246 x 44 x 141	248mm x 46mm	2 hrs	VIG 2011 Issue 2
System 300 Rectangular	310 x 29	FW300X25	100mm Wide x 4mm Thick	FWS300X25X141	324 x 44 x 141	326mm x 46mm	2 hrs	VIG 2011 Issue 2
System 100 Round	103.2mm OD	FW100	100mm Wide x 8mm Thick	FWS100X141	128 Dia x 141 Long	130mm Dia	2 hrs	VIG 2011 Issue 2
System 125 Round	128.4mm OD	FW125F	230mm Wide x 8mm Thick	FWS125X141	152 Dia x 141 Long	155mm Dia	2 hrs	VIG 2017 Issue 1

Installation Guide

The technology behind the lifestyle.

FireWraps for Masonry Walls & Masonry or Concrete Floors with 2hr rating to BS 476 Parts 20 and 22 : 1987

Introduction

The purpose of the FireWrap as a firestop is to ensure that fire is restricted to one compartment even when plastic ducting passes through into another.

In a fire situation, the FireWrap expands inwards to crush the softened duct and create an effective barrier against heat and flames by closing the original aperture that the duct passed through. The intumescent within the FireWrap can only expand inwards because it is restricted from outward movement by the masonry and does not need any additional support.

Preparation

Installers should ensure that they have selected the correct FireWrap for the ducting system to be installed, by referring to the attached Technical Data Sheet VP2014 Issue 1.

Installation

The position of the penetration through the masonry wall or concrete floor, will be determined by customer preference, the site conditions and the size of ducting to be installed.

Once the position of the penetration is known, the required aperture in the wall or floor can be measured, marked out and cut as per the Recommended Cut Aperture Size from the Technical Data Sheet.

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

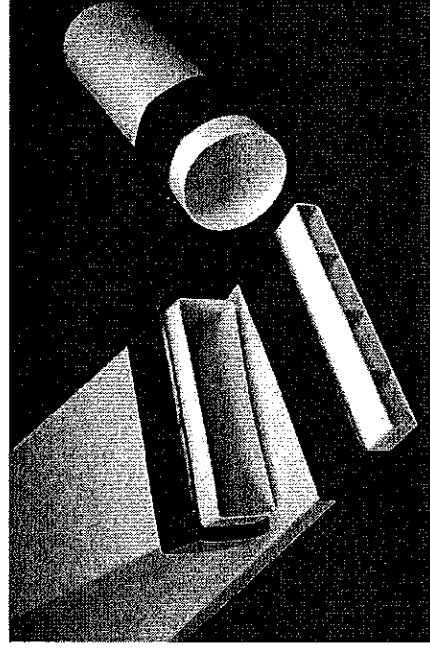
Once the ducting is secured in position, the Verplas FireWrap should be wrapped around the duct close to the aperture and secured firmly around the duct with the adhesive tab. The FireWrap should then be

gently eased into the aperture and positioned centrally within the thickness of the masonry wall or floor slab.

Once the FireWrap is in position, the duct fixing brackets should be checked to ensure that the duct is properly supported either side of the wall or floor.

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.



Installation Guide

FireCuffs for Partition Walls up to 132mm Thickness and up to 2hr rating to BS 1366 Part 3 : 2009

The technology behind the lifestyle.

Introduction

FireCuff range has been designed as an alternative to the FireWrap with a number of extra features and advantages. The purpose of the FireCuff as a firestop is to ensure that fire is restricted to one compartment even when plastic ducting passes through into another.

In a fire situation, the FireCuff expands inwards to crush the softened duct and create an effective barrier against heat and flames. Unlike some other intumescent products, the FireCuff can only expand inwards and does not need any additional support.

Preparation

Installers should ensure that they have selected the correct FireCuff for the ducting system to be installed, by referring to the attached Technical Data Sheet VP2015 Issue 1. Installers should also have a minimum 2 hr fire rated intumescent mastic available.

Installation

The position of the penetration through the partition wall will be determined by customer preference, the site conditions and the size of ducting to be installed.

Once the position of the penetration is known, the required aperture in the wall can be measured and marked out as per the Recommended Cut Aperture Size from the Technical Data Sheet.

When cutting the aperture in a plasterboard partition wall, care is needed to ensure that the two apertures are aligned correctly.

Once the aperture has been prepared, the FireCuff should be positioned centrally in the aperture, equi-distant from the face of the wall each side.

The run of plastic ducting can now be fitted centrally through the FireCuff 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. The ducting should be a snug fit inside the FireCuff and the FireCuff should be a snug fit in the aperture.

Once the ducting is in place, the position of the FireCuff should be checked again and adjusted if necessary to ensure that it is equi-distant from the face of the wall on each side. Once happy with the positioning, a 5mm web of intumescent mastic should be applied around the outside perimeter of the FireCuff and into any gaps between the FireCuff and aperture on both sides of the wall to complete the job.

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