

WISSECURE PIPE CLOSER

# Become firesecure before it happens

Our PFP Pipe Closer are designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes. The PFP Pipe Closer can be used in gypsum, masonry and concrete walls and with concrete floors.



240

FIRE RATED FOR  
UP TO EI 240

Ø

FROM 315 MM 32  
MM TO 315 MM

INT

FOR INTERNAL  
USE

MULTI

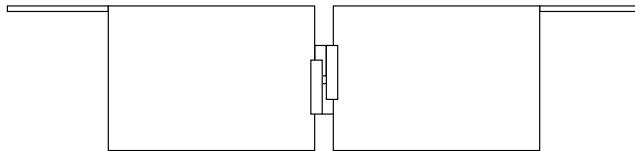
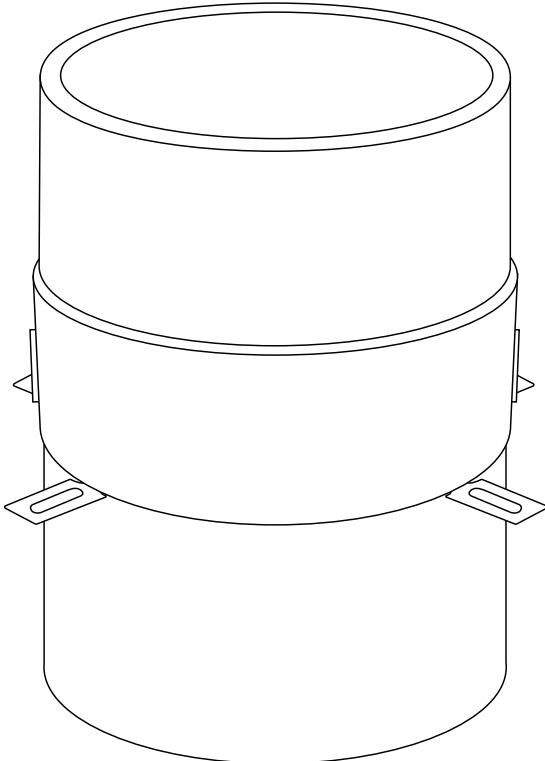
CERTIFIED FOR  
MULTI TYPES

CE

CE  
MARKED

WISSECURE  
—  
BEFORE IT HAPPENS

We believe in a future where no person needs to get harmed. The way we do that is by finding secure, safe and smart solution that prevents unnecessary accidents from happening, we sell great proactive solutions. Wisecure AB, Stuartsgatan 1, SE-504 68 Borås,  
+46(0)33-10 04 40, info@wisecure.se www.wisecure.se



# Save time and save life when every second counts

Our PFP Pipe Closer are designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes. The Pipe Closer can be used in gypsum, masonry and concrete walls and with concrete floors.

Each fire sleeve consists of a two-part steel collar that is easily installed using a simple "slide-lock" system.

The steel shell contains a graphite based reactive material which reacts when exposed to heat closing the openings left by the softening plastic pipe in fire.



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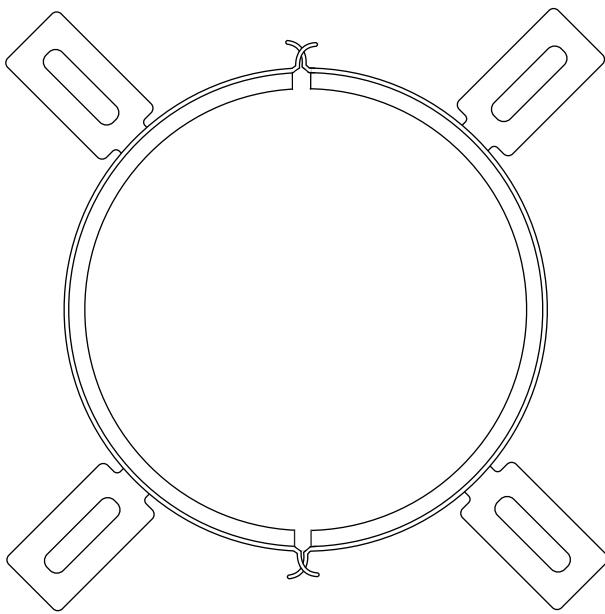
## INTENDED USE OF PIPE

## PIPE END CONDITION 4)

RAINWATER PIPE, PLASTIC	AT DRAINAGE	U/U 1)
	NOT AT DRAINAGE	C/C 2)
DRAINAGE OR SEWAGE PIPE, PLASTIC	VENTILATED DRAIN	U/U 1)
	UNVENTILATED DRAIN	U/C 1)
	DRAIN W/WATER TRAP	U/C 1)
	NOT AT DRAINAGE	C/C 2)
PIPE IN CLOSED CIRCUIT (WATER, GAS, AIR, ELECTRICITY ETC.)		C/C 2) 3)
FLUE GAS RECOVERY SYSTEM PIPE, PLASTIC		U/C 1)
PIPE WITH OPEN ENDS AND $\geq$ 50CM LENGTH ON BOTH SIDES, PLASTIC		U/U 2)
PIPE SUPPORTED BY SUSPENSION SYSTEM, METAL	FIRE RATED SUPPORT	C/U 1)
	NON-FIRE RATED	U/C 1)
WASTE DISPOSAL SHAFT PIPE, METAL		U/C 1)

1) Suggested in EN 1366-3:2009. 2) Judgment based on tests.

3) Metal pipes should have fire rated support. 4) U/U classified fire seals cover C/U, U/C and C/C. C/U classified fire seals cover U/C and C/C. U/C classified fire seals cover C/C.



# The safe intumescent pipe closer

The pipe closer is CE Marked and has fire classifications up to EI 240 for both integrity and insulation. Certified for PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC and PP and a wide range of composite plastic pipes.

For pipe sizes from smallest pipes available to Ø315 mm with a wide range of pipe wall thicknesses. Smaller pipes can be fitted within larger closers with the benefit of accommodating pipes that are at an angle or if the opening around the pipe is too large.

Tested for U/U pipe end applications. For internal use.

**Condition:** Ready for use, steel shell with a graphite material

**Shell:** Powder coated 1mm steel

**Conditioning procedure:** EN 13238:2010

**Expansion ratio:** 17:1

**Expansion pressure:** 65.4 N

**Graphite weight:** 1.4 kg/m<sup>2</sup> per mm thickness

**Graphite density:** 1409 kg/m<sup>3</sup>

**Normal expansion time:** Less than 2 minutes

**Graphite density:** 1409 kg/m<sup>3</sup>

**Minimum expansion temperature:** 105 °C

**Durability:** Z2 intended for use in internal conditions with humidity classes other than Z1, excluding temperatures below 0°C.

**Storage:** May be stored for a long period of time. To be stored in temperatures between 5°C and 30°C

**Installation temp.** +5°C to +50°C (sealant)

**Colour:** Red/Stainless Steel shell with anthracite inlay

## Mounting instructions

1. For sealing service penetrations in floors, a single closer is installed on the top or underside of the floor, and for flexible and solid walls, a closer is installed on both sides of the wall, in accordance to the detailed drawings on pages 2 to 18.

2. Before fitting the closer ensure that any gaps between the service penetrations and the separating element are sealed as follows:

In drywalls, gaps between the services and the construction below 8mm must have a bead of Wisecure PFP FR Acrylic to cover the opening, and for gaps 8mm or above, the seal must be plugged with 25mm deep Wisecure PFP FR Acrylic.

In masonry or concrete walls, gaps between the services and the construction below 8mm must have a bead of Wisecure PFP FR Acrylic to cover the opening, and for gaps 8mm or above, the seal must be plugged with 20mm deep Wisecure PFP FR Acrylic on 20mm deep backing of stonewool.

In floors, gaps between the services and the construction below 10mm must have 20mm deep stonewool to plug the opening, and for gaps 10mm or above, the seal must be plugged with 10mm deep Wisecure PFP FR Acrylic on 40mm deep backing of stonewool.

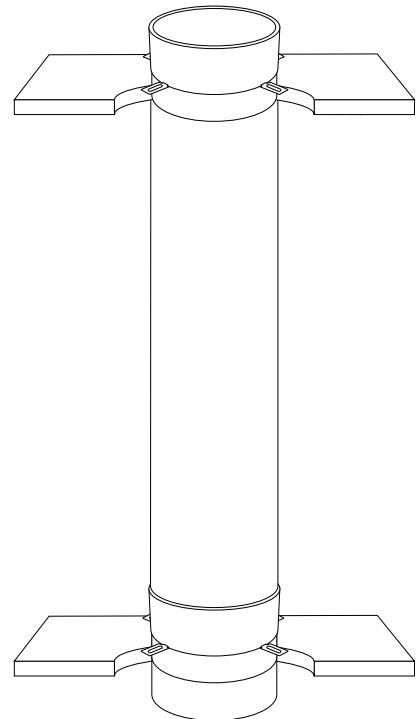
For annular gaps larger than 30mm wide, see installation instructions for Wisecureflame PFP FR Boards.

3. Place a closer around the service penetrations and ensure that the closer shell and fixing lugs are positioned tightly to the surface of the wall, or the floor, so that the anchors/fixings can be inserted fully.

4. Where the surface is uneven, apply a sealing bead of PFP FR Acrylic between the wall/floor and the closer shell.

5. Attach the closer with steel screws, anchors or bolts that are suitable for the substrate that the closer will be fitted to. For drywalls use ≥ Ø4mm drywall or wood screws with a length suitable for the number of boards that form the wall. Please note that some drywall applications require M5 drywall anchors. For concrete or masonry walls and floors, use ≥ Ø4 x 40mm long masonry screws or expansion bolts.

6. On site where the penetration size is greater than a plastic pipe diameter and/or a pipe is at an angle an oversized closer can be used. Wisecure PFP Pipe Closer are tested 'oversize', i.e. the internal diameter of the closer can be larger than a pipe. Any gaps between a pipe and a construction should not in any case exceed 55mm width.



## PRODUCT AVAILABILITY

PROD CODE	PRODUCT DESCRIPTION	SIZE
AFPFPPC32	WISECURE PFP PIPE CLOSER: 32MM (DEPTH 50MM)	32MM
AFPFPPC40	WISECURE PFP PIPE CLOSER: 40MM (DEPTH 50MM)	40MM
AFPFPPC55	WISECURE PFP PIPE CLOSER: 55MM (DEPTH 50MM)	55MM
AFPFPPC63	WISECURE PFP PIPE CLOSER: 63MM (DEPTH 50MM)	63MM
AFPFPPC75	WISECURE PFP PIPE CLOSER: 75MM (DEPTH 50MM)	75MM
AFPFPPC82	WISECURE PFP PIPE CLOSER: 82MM (DEPTH 50MM)	82MM
AFPFPPC90	WISECURE PFP PIPE CLOSER: 90MM (DEPTH 50MM)	90MM
AFPFPPC110	WISECURE PFP PIPE CLOSER: 110MM (DEPTH 50MM)	110MM
AFPFPPC125	WISECURE PFP PIPE CLOSER: 125MM (DEPTH 60MM)	125MM
AFPFPPC140	WISECURE PFP PIPE CLOSER: 140MM (DEPTH 60MM)	140MM
AFPFPPC160	WISECURE PFP PIPE CLOSER: 160MM (DEPTH 60MM)	160MM
AFPFPPC200	WISECURE PFP PIPE CLOSER: 200MM (DEPTH 60MM)	200MM
AFPFPPC250	WISECURE PFP PIPE CLOSER: 250MM (DEPTH 75MM)	250MM
AFPFPPC315	WISECURE PFP PIPE CLOSER: 315MM (DEPTH 75MM)	315MM

## TO ORDER & SPECIFY

Please contact us and quote the following information - Quantity / Product Code / Typical example:- 10 / AFPFPPC110 / Wisecure PFP Pipe Closer / 110mm

Tel: 033-10 04 40 or Email: [info@wisecure.se](mailto:info@wisecure.se)

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## INSTALLATION

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel 033-10 04 40 or email [info@wisecure.se](mailto:info@wisecure.se)

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## MAINTENANCE

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

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## COMPETENCY

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

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## ADDITIONAL NOTES

Please refer to the ETA sheet for fields of application for this product. For further information on installation requirements please refer to the pipe manufacturer data and wall specification to ensure the compatibility of this product, if in doubt please contact the technical team with services and wall specification on: tel 033-10 04 40 or email [info@wisecure.se](mailto:info@wisecure.se)

WISSECURE PIPE CLOSER

# A strong firesecure shield

The steel shell contains a graphite based reactive material which reacts when exposed to heat closing the openings left by the softening plastic pipe in fire. With a simple 'slide-lock' system our pipe closer is easy to install and secure.



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