

FP 330 Pipe Collar

VASTLY EXPANDING COLLAR IN CASE OF FIRE

ADVANTAGES

- Fire classifications up to 240 minutes
- Classified for fire sealing in all types of constructions
- Excellent sound insulation
- Very easy to install

PRODUCT

Bostik FP 330 Pipe Collar is a fire collar which expands in the case of a fire to fill voids left by melting plastic and burning of combustible pipe insulation. Bostik FP 330 Pipe Collar consists of a split white coated, circular steel casing designed to fit around plastic pipes. The collars have a secure and simple locking device. The steel sleeve contains a graphite based expanding material which on exposure to heat fills voids left by combustible pipes and pipe insulation passing through fire walls and floors.

APPLICATIONS

The intended use of Bostik FP 330 Pipe Collar is to reinstate the fire resistance performance of flexible walls, rigid walls and floor constructions where they are penetrated by plastic pipes and combustible pipe insulation.

The fire collar is placed and anchored around the pipe. In concrete floors, only one Bostik FP 330 Pipe Collar needs to be fitted to the floor or soffit. In case of wall penetration a fire collar on both sides is required.

Bostik FP 330 Pipe Collar prevents the spread of heat, smoke and fire to the next compartment.

FEATURES

- Certified to the latest European standards EN 1366-3
- CE marked to ETAG 026-2
- Fire resistance up to 4 hours for both integrity and insulation
- Fast expanding graphite material
- Classified for fire sealing all types of constructions and many different building service penetrations including plastic pipes, composite pipes, metal pipes and cable bundles
- Approved plastic pipe sizes range from smallest pipes available to Ø 400mm, each with a wide range of pipe wall thicknesses
- Collars are available in two different heights for different fire classifications to maximize cost efficiency
- Smaller pipes can be fitted within larger collars with the benefit of accommodating pipes that are at an angle or if



- the opening around the pipe is too large
- Tested and certified for U/U pipe end applications
- No emissions, environmental and user friendly
- Very easy to install using widely available standard fixings
- Excellent sound insulation
- Unlimited storage time (under correct conditions)

METHOD OF USE

For sealing plastic pipes in floors, a single pipe collar is installed to the underside of the floor. For flexible and solid walls, a pipe collar is installed on both sides of the wall. Before fitting the pipe collar ensure that any gaps between the pipe and the separating element are sealed as follows:

- In gypsum walls, gaps between the pipe and the construction below 8mm must have a bead of Bostik FP 310 Intumescent Acoustic Acrylic to cover the opening, and for gaps 8mm or above, the seal must be plugged with 25mm deep Bostik FP 310 Intumescent Acoustic Acrylic.
- In masonry/concrete walls, gaps between the pipe and the construction below 8mm must have a bead of Bostik FP 310 Intumescent Acoustic Acrylic to cover the opening, and for gaps 8mm or above, the seal must be plugged with 20mm deep Bostik FP 310 Intumescent Acoustic Acrylic on 20mm deep backing of stonewool.
- In floors, gaps between the pipe 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 Bostik FP 310 Intumescent Acoustic Acrylic on 40mm deep backing of stonewool.

Place a pipe collar around the service penetration (pipe) and ensure that the fixing lugs are positioned tightly to the surface of the wall or the floor so that the anchors/fixings can be inserted fully.

Where the surface is uneven, apply a sealing bead of Bostik FP 310 Intumescent Acoustic Acrylic between the wall/floor and the pipe collar.

Attach the pipe collar with steel screws, anchors or fixings that are suitable for the substrate that the pipe collar will be fitted to. For flexible walls use $\geq \text{Ø}4$ mm gypsum-, wood screws or anchors with a length suitable for the number of boards that form the wall. For concrete/masonry walls and floors, use $\geq \text{Ø}4 \times 50$ mm long masonry screws or expansion bolts.

On site where the penetration size is greater than the pipe diameter and/or the pipe is in an angle an oversized collar can be used. Bostik FP 330 Pipe Collar are tested 'oversize', i.e. the internal diameter of the collar can be larger than the pipe. In this case the empty space between collar and pipe has to be filled with Bostik FP 310 Intumescent Acoustic Acrylic.

Before application consult the installation instructions and ETA to ensure to achieve the intended fire resistance.

SOUND INSULATION

Collars installed as described in walls: 58 db RW
This sound insulation value is only valid for the collar/pipe and not for other elements in the building construction. The sound insulation has been tested by an accredited laboratory according to EN ISO 10140-2.

STORAGE STABILITY

Shelf life is unlimited when stored in temperatures between +5 and +30°C.

FURTHER INFORMATION

Available on request:

- Material safety data sheet
- Installation Instructions Bostik FP 330 Pipe Collar
- ETA 19/0391

Technical data	
Technical Approval	ETAG 026-2
Shell	Powder coated 1mm steel
Expansion ratio	17:1
Expansion pressure	65.4 N
Colour	White shell with anthracite inlay
Graphite weight	1.4 kg/m ² per mm thickness
Graphite density	1409 kg/m ³
Expansion time	Less than 2 minutes
Minimum expansion temperature	105 °C
Durability	Z2 intended for use in internal conditions with humidity classes other than Z1, excluding temperatures below 0°C
Available dimensions (diameter-height), article number	Ø75mm-30mm, 30614856 Ø75mm-50mm, 30615019 Ø82mm-30mm, 30614857 Ø82mm-50mm, 30615018 Ø110mm-30mm, 30614858 Ø110mm-50mm, 30615017 Ø125mm-60mm, 30614859 Ø160mm-60mm, 30614860 Ø200mm-75mm, 30614861 Ø250mm-75mm, 30614862

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