

K-FLEX K-FIRE COLLAR

DESCRIPTION

K-FLEX K-FIRE COLLAR is robust, versatile, economic and provides fire resistant seals in compartment walls (including gypsum stud walls) and floors where openings in these construction elements are formed to accommodate plastic service pipes.

In a fire situation, the intumescent lining within the collar expands to form a robust char barrier which prevents the passage of flames and hot gases through voids created by the melting plastic pipe and in addition restricts temperature rise on the non-fire side of the wall or floor.

APPLICATION

- Combustible pipes penetrating fire separating walls
- Combustible pipes penetrating fire separating floors

CHARACTERISTICS AND FEATURES

K-FLEX K-FIRE COLLARS are made from corrosion resistant powder coated steel lined with a water resistant intumescent material.

They are supplied in 5 standard sizes, but have been tested 'oversize' on smaller diameter plastic pipes thereby reducing the need to use more costly non-standard sizes.

K-FLEX K-FIRE COLLARS are particularly suitable when pipes are fitted in tight corners.

K-FLEX K-FIRE COLLARS are also suitable for use when plastic pipes are installed through mineral wool penetration systems, without the need for any additional mechanical fixings.

FEATURES INCLUDED

- Up to 4 hours Fire Resistance;
- Independently tested and assessed according EN 1366-3:2009, EN 1363-1:1999 and BS 476 Part20:1987;
- Fire tested in both horizontal and vertical orientations;
- Tested in conjunction with non-load bearing partitions;
- Manufactured to the requirements of EN ISO 9001;

QUICK AND EASY TO FIX

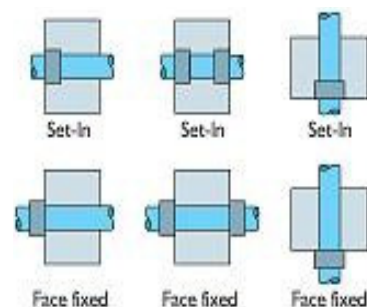
- Fast acting intumescent action
- Intumescent material unaffected by moisture or CO₂
- Suitable for both face fixing and set-in fixing within the depth of the separating construction
- Can be used in conjunction with other K-FLEX K-FIRE sealants.

LIMITATIONS

It is the user's responsibility to determine suitability of use.

SEAL LOCATIONS

1. In the case of Floor penetrations a single K-FLEX K-FIRE COLLAR should be positioned on the underside of the floor slab.
2. In the case of Wall penetrations K-FLEX K-FIRE COLLAR should be positioned on both sides of the separating structure unless the direction is known, in which case a single collar may be positioned on the fire side only.
3. K-FLEX K-FIRE COLLAR may be face fixed or set-in to the floor or wall structure.



FIRE PERFORMANCE AND COLLAR DIMENSIONS

FIRE PERFORMANCE:

Construction	Integrity	Insulation
Timber/Steel Stud Drywalls	120 mins	60 mins
Concrete/Blockwalls	240 mins	240 mins
Concrete Floors	240 mins	240 mins
Mineral Wool Boards	90 mins	90 mins

DIMENSIONAL DATA

Size	To Suit Pipe OD	Pipe Collar Height	Pipe Collar O/D* (approx.)
55 mm	32 ÷ 55mm	50 mm	72 mm
82 mm	56 ÷ 82mm	50 mm	103 mm
110 mm	83 ÷ 110mm	50 mm	135 mm
125 mm	111 ÷ 125mm	60 mm	160 mm
160 mm	126 ÷ 160mm	60 mm	203 mm

INSTALLATION INSTRUCTIONS

- For face fixing the substrate around pipe should be flat and free from obstructions;
- Release retaining pin and position K-FLEX K-FIRE COLLAR around pipe;
- Slide tab through slot in the body of the Collar and fold back through 180 degrees to secure;
- Secure K-FLEX K-FIRE COLLAR by 50mm x 8mm steel, masonry screws or 50mm minimum expanding metallic bolts.

N.B: Do not use fixings that rely on plastic components for grip

Since the product is applied under circumstances beyond our control, L'Isolante K-Flex can accept no direct or consequential liability, whether in contract or in tort, for the interpretations of such recommendations and reserves the right to modify the recommendations as necessary.