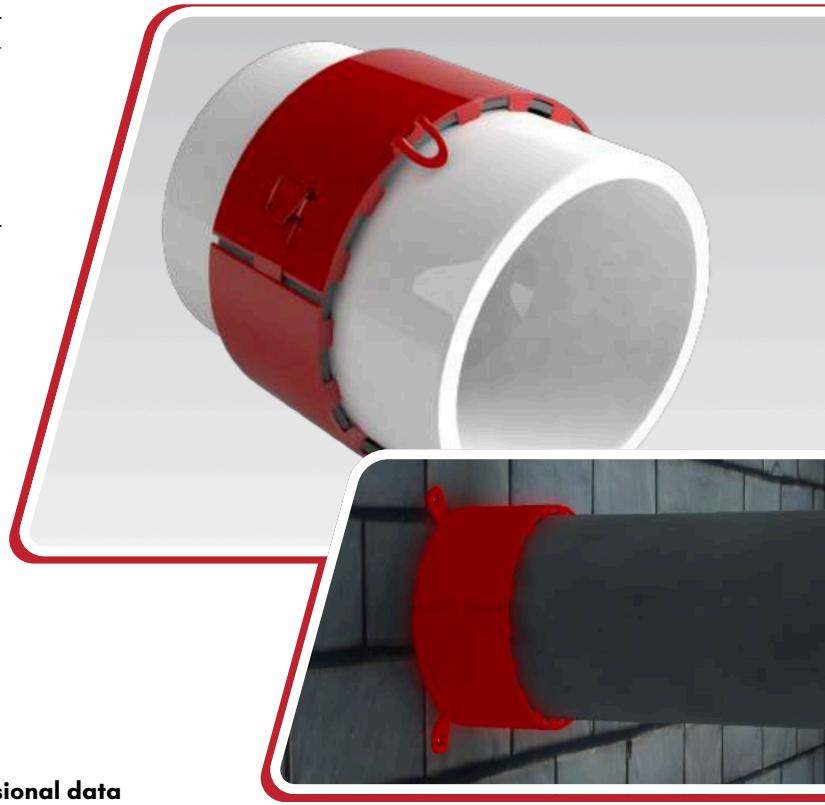
VIJAY
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# VS PLASTIC PIPE COLLARS

## FIRE PENETRATION SEALING SYSTEMS
### Fire Barrier
(VSPS120PC)



**PRODUCT DESCRIPTION**

VS Pipe Collars are made of non-corrosive powder coated steel and lined with VS Plastic Pipe Wraps that are used to cover plastic pipes where they penetrate through a wall or Door . In the event of a fire or exposure to high heat, plastic pipes can melt quickly and permit fire, smoke and fumes to pass through the pipes and travel beyond the barrier.
VS Pipe Collars provide a fire penetration seal in plastic pipes penetrating through walls (including gypsum stud walls) and Doors. In a fire, the intumescent wraps expand multiple times
and cause the plastic pipes to collapse internally (inside the collar) and close the through passage in order to create a tight seal and prevent fire, smoke and fumes from travelling further . In addition, the collars restrict temperature rise on the non-fire side of the wall or door. VS Pipe Collars come in 5 standard sizes, ranging from 55mm - 160mm but are tested 'oversize' on smaller diameter plastic pipes thereby reducing the need to use more costly non-standard sizes.

**SPECIAL FEATURES:**

- Retrofits possible
- No spares except Anchor Fasteners required for any
- alterations during retrofitting
- Can seal almost all plastic pipe materials like HDPE, PVC,
- UPVC, CPVC, PVDF, ABS etc.
- Works on proven technology of intumescent seals
- Has a Fire Rating of 1 - 4 hours (Refer to Technical Data
- Sheet for details)
- It does not get affected by long exposure to various

ambient conditions in commercial and industrial applications like weathering effects, aging, vibrations, ambient temperature variations, exposure to light acids & alkalis and high humidity

- Long shelf life when stored in proper original pack in dry controlled storage

## SPECIFICATIONS

| PROPERTY | PRESENT VALUE |
|---|---|
| • Intumescent Activation Temperature | • Approx. 180°C |
| • Recommended for Penetration Pipe Materials | • uPVC, uPVC Composite, PE, PP |
| • Intumescent Expansion Pressure. | • 193.5 kPa mean peak pressure for 1.82mm thick |
| • | • material in 8.27mm gap |
| • Intumescent Expansion Volume Ratio | • 111.45 mean ratio at 2.84 kPa |
| • Service Temperature | • - 15°C to +55°C |

**Dimensional data**

| SIZE | TO SUIT PIPE OD | HEIGHT | SHELL O/D* |
|---|---|---|---|
| 55 mm | 32-55 mm | 50 mm | 72 mm |
| 82 mm | 56-82 mm | 50 mm | 103 mm |
| 110 mm | 83-110 mm | 50 mm | 135 mm |
| 125 mm | 111-125 mm | 60 mm | 160 mm |
| 160 mm | 126-160 mm | 60 mm | 203 mm |

*Approx. dimension