

# MasterFlame<sup>®</sup> PC 2350

## Firestop pipe collar

### DESCRIPTION

**MasterFlame PC 2350** is a steel collar containing thermoplastic composite based on graphite intumescent technology that expands during fire and provides high-volume expansion.

### TYPICAL APPLICATIONS

**MasterFlame PC 2350** is designed and tested to seal service penetration openings containing plastic pipes, metallic pipes with insulation and cables. It offers upto EI 240 when tested to EN1366-3. The ultra-thin design of **MasterFlame PC 2350** shell gives a depth of 30mm and 40mm ensuring that they can be installed into the toughest of locations.

**MasterFlame PC 2350** is tested with end capping configurations that cover Uncapped/Uncapped (U/U), Capped/Uncapped (C/U), Uncapped/Capped (U/C) & Capped/Capped (C/C) pipes.

**MasterFlame PC 2350** can be installed on flexible wall, rigid wall, rigid floor constructions and pre-coated firestop board **MasterFlame B 302**. They are compatible with polypropylene (PP), polyethylene (PE) and polyvinyl chloride (PVC) pipes and can be used upto a maximum diameter of 250mm

**MasterFlame PC 2350** is intended for use indoor and outdoor in conditions exposed to weathering with exposure to UV and humidity equal to or higher than 85% RH.

### ADVANTAGES

- Suitable for use with flexible walls with 100mm minimum thickness, rigid wall with 100mm minimum thickness and rigid floors with 150mm minimum thickness
- Allows thermal and mechanical movement of pipe
- Halogen free, contains no asbestos, ceramic and is environmentally friendly
- Ease of fixing to suit location - 5 fixing types available
- Not affected by fungus, vermin, rodents or moisture

- Tested for external use
- Long life

### PACKAGING

**MasterFlame PC 2350** is supplied to fit pipe sizes as follows:

- 32mm to 160mm for flexible walls
- 32mm to 160mm for rigid floors
- 32mm to 250mm for rigid walls

### STANDARDS

EN 1366-3



### TYPICAL PROPERTIES\*

Property	Test Method	Results
Fire Resistance	EN 1366-3:2009	Upto 4 hours
Expansion Rate		20:1
Expansion Pressure		11.28 Bar / 1.12 N/mm <sup>2</sup>
Working Temperature		-20°C to +120°C
Colour		Blue
Fixing Detail		3 No 60mm x 6mm Expanding Anchors Rigid Floors  3 No Size 70 Wood Screws Rigid Walls  3 No 65 mm Spider Fixing Flexible Walls  3 No 35mm Tap in Fixings
Plastic pipe types covered		PVC-U, PVC-C, ABS, SAN + PVC, PE-HD, PE, PP

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## APPLICATION GUIDELINES

- Annular space between pipe and substrate to be filled with **MasterFlame JS 110**.
- Place **MasterFlame PC 2350** around pipe and hold in place using the slide clip.
- Slide into place.
- Fix using the require fixing, fix into place. For some fixings a drilled hole may be required.
- **NO COMBUSTIBLE FIXINGS MAY BE USED**

For full installation details and technical support please contact Master Builders Solutions Technical Services department or refer to our method statement.

## STORAGE

It is recommended the product is stored indoors in dry conditions between +5°C and +30°C.

## QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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