

# Fire Collar (FCR)



## DESCRIPTION

**FIREFLY® Fire Collar (FCR)** is a penetration sealing device that contains our in-house manufactured flexible intumescent high-performance graphite housed in a corrosion resistant powder coated steel shell. It is designed to provide high volume expansion and create a pressure seal during fire to combustible pipes that passes through floors and walls. To be used in conjunction with Firefly flexible barriers and the FB180 Batt Wall and Floor system.

## KEY BENEFITS

- Provides fire resistance up to 4 hours
- Tested to BS EN 1366-3:2021 fire resistance penetration seals
- Retro fit in conjunction with our flexible fire barriers, FB180 Wall and Floor Batt Systems
- Easy to install
- High end, fast expanding graphite material
- Supported by a full range of **FIREFLY®** ancillary products (intumescent acrylic, high expansion graphite, pigtail screws and fixings) to provide the ability to install a fully tested system.

## USE AREAS

**FIREFLY® Fire Collar (FCR)**' primary purpose is to protect combustible pipes and maintain fire resistance as part of a tested and approved passive fire protection system.

- Retro fit in conjunction with our flexible fire barriers, FB180 Wall and Floor Batt Systems
- PVCu pipes
- PP pipes
- PE-X pipes
- HDPE/LDPE pipes
- Air conditioning pipes
- Insulated copper / metal pipes (Elastomeric, Phenolic, Glasswool, Nitrile, PE)
- ABS
- Concrete and masonry walls and floors
- Double layer flexible fire rated partition walls

TITLE	FIREFLY® Fire Collar (FCR)
TESTING	BS EN 1366-3:2021
FIRE RATING	Upto 4 hours
APPLICATION	<ul style="list-style-type: none"><li>• Retro fit in conjunction with our flexible fire barriers, FB180 Wall and Floor Batt Systems, up to 160mm</li><li>• Should be used where a combustible pipe penetrates a fire rated wall or floor</li><li>• Please refer to installation drawings on our website</li></ul>
SIZES	50mm, 60mm, 75mm 90mm, 110mm, 160mm
FINISH / COLOUR	Coated Steel Black
DIMENSIONS	FCR50-FCR110: 30mm height FCR160: 40mm height
PRODUCT CODES	FCR50, FCR60, FCR75, FCR90, FCR110, FCR160
ADDITIONAL DATA	<ul style="list-style-type: none"><li>• Store in a dry place, protected from frost</li><li>• Application temperature -5 to +40 degrees centigrade</li><li>• Activation temperature 150 degrees centigrade</li></ul>
LIMITATIONS	Not suitable for use with cPVC pipes

