

# Product Data Sheet

## Astro PFP FR Pipe Wrap

Revision 5 - 20th October 2021



## Astro PFP FR Pipe Wrap

### Intumescent Pipe Wraps CE Marked

- For plastic pipe sizes from smallest pipes available to Ø315 mm with a wide range of pipe wall thicknesses.
- For metal pipes with continuous combustible pipe insulation
- For plastic pipes with cables (conduits).
- Pipe wraps comes ready made for most common diameters.
- Fire classifications up to 240 minutes for both integrity and insulation.
- Certified for PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC and PP pipes.
- Tested and certified for U/U pipe end applications.
- Simple to install in both Astro PFP FR Board and Astro PFP FR EX Mortar.
- For internal use.



#### Product Description

The Astro PFP FR Pipe Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by plastic pipes, conduits or metal pipes with continuous combustible insulation, and may be used in drywalls, masonry or concrete walls and concrete floors.

Each pipe wrap consists of a graphite based reactive intumescent strip, which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in a fire. The pipe wrap is installed completely around the pipes or insulation and secured with the self adhesive tab. The annular space around the pipe wrap is sealed with Astro PFP FR EX Mortar or Astro PFP FR Boards.



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ETA - 21/0027  
EAD 350454-00-1104  
ASTRO PFP  
FR PIPE WRAP

“See ETA - 21/0027 for  
Relevant characteristics”

### Sizes and Intended Use

Product Code	Size	Intended Use
AFPFPW55	Astro PFP FR Pipe Wrap 55mm	Plastic pipes & conduits $\leq \varnothing 55\text{mm}$
AFPFPW82	Astro PFP FR Pipe Wrap 82mm	Plastic pipes & conduits $\leq \varnothing 82\text{mm}$
AFPFPW110	Astro PFP FR Pipe Wrap 110mm	Plastic pipes & conduits $\leq \varnothing 110\text{mm}$
AFPFPW125	Astro PFP FR Pipe Wrap 125mm	Plastic pipes $\leq \varnothing 125\text{mm}$
AFPFPW160	Astro PFP FR Pipe Wrap 160mm	Plastic pipes $\leq \varnothing 160\text{mm}$
AFPFPW200	Astro PFP FR Pipe Wrap 200mm	Plastic pipes $\leq \varnothing 200\text{mm}$
AFPFPW250	Astro PFP FR Pipe Wrap 250mm	Plastic pipes $\leq \varnothing 250\text{mm}$
AFPFPW315	Astro PFP FR Pipe Wrap 315mm	Plastic pipes $\leq \varnothing 315\text{mm}$

### Pipe end configurations

When testing pipes, one can choose not to cap (or close) the pipe, or cap the pipe inside the furnace, or outside the furnace, or on both sides. The configuration chosen depends on the intended application of the pipe and/or the installation environment. The code defining if a pipe is capped is stated after the fire classification. For instance EI 60 C/U which means the pipe was capped inside the furnace, and uncapped outside the furnace. The test configuration defines the approvals possible.

Our suggestions for engineering judgments are:

Intended use of pipe		Pipe end condition
Rainwater pipe	At roof	C/U <sup>1)</sup>
	Further below	C/C <sup>2)</sup>
Drainage or sewage pipe	At drainage	C/U <sup>1)</sup>
	Further below	C/C <sup>2)</sup>
Pipes in closed circuits (water, gas, vacuum systems, el. etc.)		C/C <sup>2)</sup>
Pipes with open ends and at least 50cm pipe on both sides		U/U

<sup>1)</sup> U/U condition can also be used

<sup>2)</sup> U/C, C/U and U/U conditions can also be used

### Technical Data

Technical Approval	ETAG 026-2
Durability according to ETAG 026-2	Z <sub>2</sub> intended for use in internal conditions with humidity classes other than Z1, excluding temperatures below 0 °C.
Conditioning procedure	EN 13238:2010
Expansion ratio	28:1
Expansion pressure	55 N
Colour	Anthracite
Graphite weight	1.3 kg/m <sup>2</sup> per mm thickness
Graphite density	1300 kg/m <sup>3</sup>
Normal expansion time	Less than 10 minutes
Minimum expansion temperature	150 °C
Storage	Store in temperatures between 5°C and 30°C
Life	Under normal conditions; 30 years +

### Product Size Availability

Product Code	Product Description	Size
AFPFPPW55	Astro PFP FR Pipe Wrap 55mm	55mm
AFPFPPW82	Astro PFP FR Pipe Wrap 82mm	82mm
AFPFPPW110	Astro PFP FR Pipe Wrap 110mm	110mm
AFPFPPW125	Astro PFP FR Pipe Wrap 125mm	125mm
AFPFPPW160	Astro PFP FR Pipe Wrap 160mm	160mm
AFPFPPW200	Astro PFP FR Pipe Wrap 200mm	200mm
AFPFPPW250	Astro PFP FR Pipe Wrap 250mm	250mm
AFPFPPW315	Astro PFP FR Pipe Wrap 315mm	315mm

### To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size  
 Typical example:- 25 / AFPFPPW55 / Astro PFP FR Pipe Wrap 55mm / 55mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto:sales@astroflame.com)

## Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email [sales@astroflame.com](mailto:sales@astroflame.com)

## Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

## Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

## Additional Notes

Please refer to the ETA sheet for fields of application for this product. For further information on installation requirements please refer to the pipe manufacturer data and wall specification to ensure the compatibility of this product, if in doubt please contact the technical team with services and wall specification on: tel [01329 844 500](tel:01329844500) or email [sales@astroflame.com](mailto:sales@astroflame.com)

## Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500) or E: [sales@astroflame.com](mailto:sales@astroflame.com)

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