

# 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   |
|--------------|------------------------------|--|
| AFPFPPW55    | Astro PFP FR Pipe Wrap 55mm  | Plastic pipes & conduits $\leq \varnothing 55\text{mm}$  |
| AFPFPPW82    | Astro PFP FR Pipe Wrap 82mm  | Plastic pipes & conduits $\leq \varnothing 82\text{mm}$  |
| AFPFPPW110   | Astro PFP FR Pipe Wrap 110mm | Plastic pipes & conduits $\leq \varnothing 110\text{mm}$ |
| AFPFPPW125   | Astro PFP FR Pipe Wrap 125mm | Plastic pipes $\leq \varnothing 125\text{mm}$            |
| AFPFPPW160   | Astro PFP FR Pipe Wrap 160mm | Plastic pipes $\leq \varnothing 160\text{mm}$            |
| AFPFPPW200   | Astro PFP FR Pipe Wrap 200mm | Plastic pipes $\leq \varnothing 200\text{mm}$            |
| AFPFPPW250   | Astro PFP FR Pipe Wrap 250mm | Plastic pipes $\leq \varnothing 250\text{mm}$            |
| AFPFPPW315   | 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 &amp; 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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