

# Product Data Sheet

## Astro PFP FR Pipe Wrap

Revision 1 - 3rd April 2020



Astro PFP FR  
Pipe Wrap



ETA - 20/0198  
CE-0843-CPR-0560

## 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.
- Classified for fire sealing in all types of constructions.
- Excellent sound insulation.
- No emissions - environmentally and user friendly.
- Simple to install in both Astro PFP FR Board and Astro PFP FR EX Mortar.
- Unlimited storage time (under correct conditions).
- 30 years working life guarantee



#### 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 - 20/0198  
EAD 350454-00-1104  
ASTRO PFP  
FR PIPE WRAP  
" See ETA - 20/0198 for  
Relevant characteristics

**Sound Insulation**

Description	Sound reduction
Pipe Wraps installed in Astro PFP FR Board	55 dB RW
Pipe Wraps installed in Astro PFP FR EX Mortar	64 dB RW

The sound insulation value is only valid for the fire seal and not for other elements in the building construction. The sound insulation has been tested by the accredited laboratory Exova BM Trada in Great Britain according to EN ISO 10140-2. Test report is available upon request.

**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**

Please see installation sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)  
 or E: [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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