

## ASTROFLAME PC Collar

Astro Astro PC collar is designed to maintain the fire resistance of fire-resistant walls and floors when broken by continuous plastic pipes. The Astroflame collar can be used in plaster, masonry and concrete walls and in concrete floors.

Each tubular collar consists of a round red-coated steel sleeve that splits in two by means of a simple "sliding lock" system to fit around the through holes.

The steel sleeve contains a graphite-based reactive material that reacts when exposed to heat and fills the gaps created by the softening plastic tube in the event of a fire.

- CE marking
- For pipes  $\varnothing$  32 up to  $\varnothing$  315 with a wide range of pipe thicknesses.
- Very small pipes can be placed in larger sleeves with the advantage of attaching tubes that are mounted at an angle or if the opening around the tube is too large.
- Fire classification up to 240 min 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 final placement U/U.
- Excellent sound insulation.
- No emissions – eco-friendly and user-friendly.
- Unlimited storage time (under correct conditions).
- 30 years warranty.



When testing the collars, one can choose not to cover (or close) the pipe, or to cover the pipe inside the oven, or outside the oven, or on both sides. The configuration chosen depends on the intended application of the pipe and/or installation environment. The code that determines whether a pipe is covered is listed during fire classification. For example, EI 60 C/U, means that the pipe was closed inside the furnace and not outside the furnace. The configuration during the fire test defines the possible approvals.



Our suggestions for technical uses:

Plastic rain discharge: On the roof C/U, lower C/C

Plastic drain or sewer discharge: During drainage C/U, lower C/C

Closed-loop pipes (water, gas, vacuum systems, etc.) C/C

Pipes with open ends and pipes of at least 50cm on both side U/U

Durability according to ETAG 026-2: Z2 intended for use in indoor conditions with wet welds other than Z1, excluding temperatures below 0 °C.

Tube: 1m m powder coated steel

Procedure: EN 13238-2010

Expansion ratio: 17:1

Expansion pressure: 65.4N

Color: red

Graphite weight: 1.4kg/m<sup>2</sup> per mm thickness

Graphite density: 1409 kg/m<sup>3</sup>

Normal expansion time: Less than 2 minutes

Minimum expansion temperature: 105°C

Storage: store at a temperature between 5°C and 30°C

Lifespan: + 30 years under normal conditions of use

