

Thermal Fire Pipe Sleeve

Trade Name: ASTRO THERMAL FIRE PS



NHBC Type Approval.

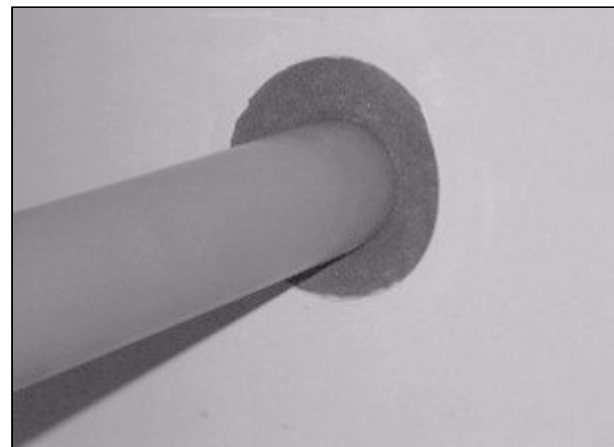
**Tested to BS476: Part 20 & 22
2 Hours Plus.**

Excellent Acoustic Insulation.

**Suitable for use through a wide range of
fire partition walls and floors.**

**Suitable for a wide range of plastic,
copper and mild steel pipes.**

**Allows for thermal movement of pipe and
maintains thermal insulation for the pipe
through the penetration.**



Description

Steel, copper and plastic pipes are found in all commercial and domestic buildings. A high percentage of these pipes will penetrate through fire rated constructions such as ceilings, floors and walls. Once a hole is made in a fire rated construction for the passage of pipes or services the integrity of the compartment is compromised.

To solve this problem ASTROFLAME have developed ASTRO Thermal Fire Pipe Sleeve, which reinstates the fire rating of the construction and prevents fire spreading from one compartment to another, and prevents copper pipes from cement erosion.

The sleeve is a cost effective product for the fire stopping of pipe penetrations e.g. Plumbing pipe and metallic pipes whilst maintaining similar thermal and acoustic properties as standard mineral fibre insulation. These properties ensure compliance to water bye laws and building regulations for cold and hot water pipes and heating systems.

In a fire situation the sleeve expands to fill the available space between the pipe and the penetration. In the case of plastic pipes the sleeve will crush and close off the pipe forming a solid char and preventing the passage of fire and smoke to the adjacent compartment.

Tested On The Following Pipe Sizes To BS 476 Part 20 For 2 Hours

Copper 12mm- 160mm
Mild steel 22mm - 160mm
Polybutylene 12mm - 28mm
PVC 55mm-160mm

All sleeves have been tested with a 25mm nominal wall thickness. Sleeves have been tested cut both flush to the wall / floor structure and leaving 25mm exposed for connection to standard pipe insulation

The sleeve is simple to install, easy to cut and one sleeve can replace two collars, the sleeve may also be fitted flush to the wall for a clean line solution.

Availability

Length 300mm. Wall thickness 27mm.

2 HOUR			
17mm	AFIPS17/2E	80mm	AFIPS80/2E
21mm	AFIPS21/2E	89mm	AFIPS89/2E
27mm	AFIPS27/2E	102mm	AFIPS102/2E
34mm	AFIPS34/2E	108mm	AFIPS108/2E
42mm	AFIPS42/2E	114mm	AFIPS114/2E
48mm	AFIPS48/2E	140mm	AFIPS140/2E
54mm	AFIPS54/2E	127mm	AFIPS127/2E
60mm	AFIPS60/2E	159mm	AFIPS159/2E
67mm	AFIPS67/2E	169mm	AFIPS169 /2E
76mm	AFIPS76/2E		

Test Matrix

PIPE	BLOCKWORK WALL	SOLID FLOOR	MINERAL BATT	PLASTERBOARD WALL
12MM COPPER	•	•		•
160MM COPPER	•	•		•
22MM MILD STEEL	•	•		•
160MM MILD STEEL	•	•		•
12MM POLYBUTYLENE	•	•	•	•
28MM POLYBUTYLENE	•	•	•	•
55MM PVC	•	•	•	•
82MM PVC	•	•	•	•
110MM PVC	•	•	•	•
160MM PVC	•	•	•	•

To Order & Specify

Please quote: QTY / TRADENAME / PRODUCT REF / SIZE / RATING

Typical wording 10 / ASTRO THERMAL FIRE PS / AFIPS17/2E / 17mm / 2 HOUR

Fire Test And Assessment Reports

BS476 part 20/22 2 hour rated at chiltern international fire
132 minutes integrity and insulation
NHBC Type Approval.

Health And Safety

See COSHH Sheet.

Installation

Please refer to our install sheet

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