



TENMAT **FIREFLY 109**

PIPE FIRE SLEEVES



The Firefly 109 Pipe Fire Sleeves provide up to **4 Hours Fire Resistance** to various plastic and metal pipe penetrations.

The Fire Sleeves are fire tested to **BS 476 & EN 1366-3:2009**, the accepted British & European wide fire test standards required to meet Regulatory Requirements.

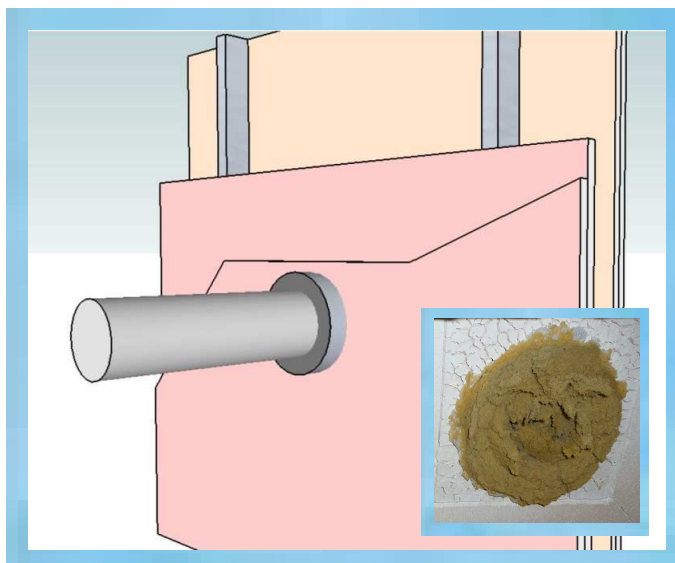
The latest EN fire testing included pipes tested to the Uncapped/Uncapped (U/U) pipe end configuration as required for ventilated systems.

The Firefly 109 Pipe Fire Sleeves are particularly suitable for use in plasterboard partitions, but can be used in blockwork walls and floors.

The Sleeves **do not require any additional metal sleeving**. The unique intumescent material is vacuum formed to shape which ensures controlled sealing of the pipe.

Key Features & Customer Benefits

- Up to 120 Minute Fire Rated in Partitions
 - Integrity & Insulation
- Up to 240 Minutes Fire Rated in Blockwork
- Assessed for installation in:
 - Plasterboard clad steel or timber stud partitions
 - Masonry Walls & Floors
 - Mineral Fibre Batts
- Acoustically Tested
- Vapour Seal
- Thermally Insulating
- Simple & quick to install, no screws or support needed
- No Metal Sleeving required
- Available to fit most common pipe sizes
- Cost effective alternative to Fire Collars



Firefly 109 Pipe Fire Sleeve Installed in a Partition
Inset shows Fire Sleeve & Pipe fully sealed after a fire



Various Sizes of Pipe Fire Sleeves

TEST DATA

TENMAT FIREFLY 109 Pipe Fire Sleeves have undergone extensive third party approved fire and acoustic testing:

Fire Testing

The FF109 Pipe Fire Sleeves were fire tested in accordance with BS 476: Part 20: 1987

Constructions covered - Plasterboard Partition, Mineral Fibre Batt, Solid Walls and Floors

Duration of effective protection: 120 minutes

Assessment No: Chilt/03187 Revision E

Tested to BS EN 1366-3: 2009 in a Plasterboard Partition

Duration of effective protection: 120 minutes

Test Report No.: RF11067

Acoustic Testing

Acoustically tested in a plasterboard partition system in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997

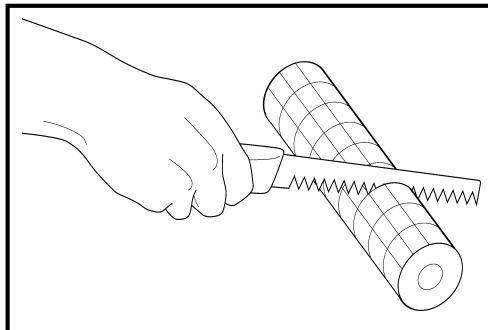
Test Report No: 239037

FF109 PIPE FIRE SLEEVES

Fitting Instructions

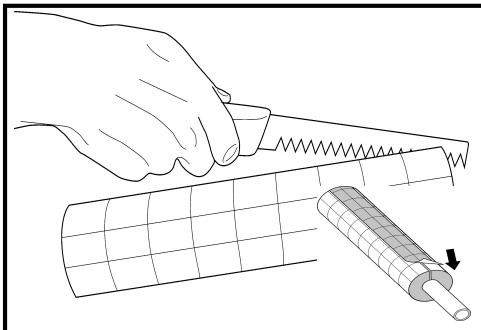
STEP ONE

Cut Firefly 109 Pipe Fire Sleeve to length if required.



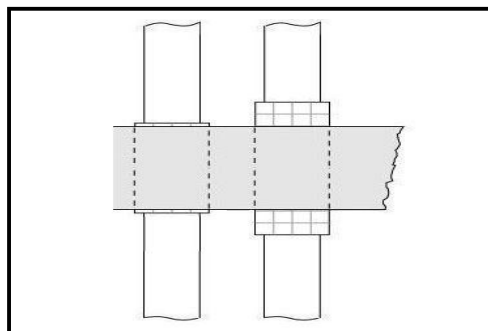
STEP TWO

If necessary, make a slit along the length of the Fire Sleeve to allow retrofitting onto pre-installed pipes. Re-seal with repair tape.



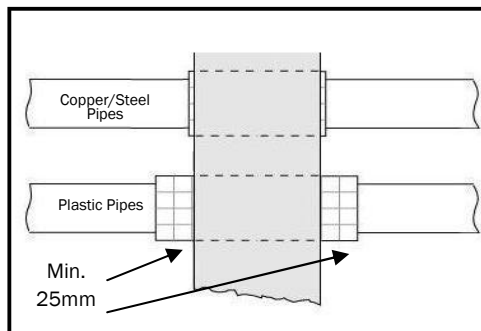
STEP FOUR

Fire Sleeve through floors can be fitted flush or equally protruding to allow taping to existing pipe insulation



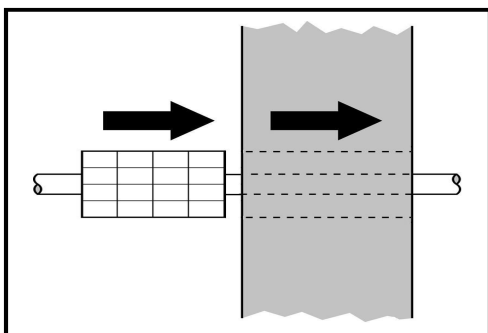
STEP FIVE

Position Fire Sleeve centrally within partition. Ensure length of Sleeve is sufficient for intended pipe material type, see below.



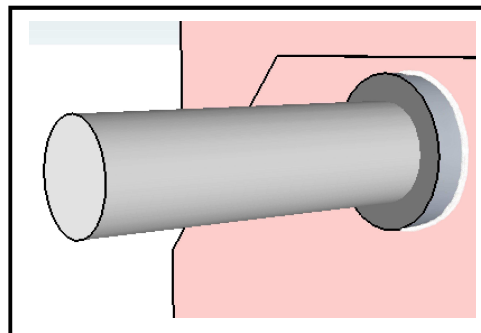
STEP THREE

Use the Fire Sleeve as a template when cutting the plasterboard / concrete to provide snug fit around the Fire Sleeve



STEP SIX

Plasterboard should be a snug fit, any irregular gaps (up to 15mm around Sleeve) should be sealed with intumescent sealant



Sizes Available

The Pipe Fire Sleeves are available to suit the following Pipe Sizes:

15 - 169 mm

For other sizes please contact TENMAT.

Pipe Materials covered include PVC, HDPE, Copper, Steel

For full fire test coverage details please contact TENMAT.

TENMAT is a leading manufacturer of Fire Protection products and solutions, with almost 100 years experience of providing specialist non-metallic materials that offer advanced fire-stopping capabilities.

From our headquarters in Trafford Park, Manchester, and world-wide subsidiaries in France, Germany, Italy and USA, we supply a wide range of products for use in highly demanding applications within the construction and transportation industries.

Renowned in the fire protection industry as an innovative development company, TENMAT'S wide range of high performance products and solutions meet the latest quality standards worldwide.

TENMAT's products are protected by patents and design registrations

Agent / Distributor

For more information on the range of TENMAT Fire Protection Products please contact:

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