



Product Number: 110

### Intumescent Wall Sleeves

#### Description:

Envirograf Wall Sleeves are made of a fibre free Intumescent Material which allows the expansion and contraction of pipes and also gives protection from corrosion often caused by contact with cement blocks, etc. The sleeves can be easily cut with a sharp knife and off cuts can be joined together with tape. In the case of a fire the Intumescent Sleeve will expand sealing the gap between the pipe and wall offering up to four hours fire and smoke protection.

#### PRODUCT ADVANTAGES

- No more corrosion problems due to copper pipes having contact with concrete surfaces.
- Meets all regulations.
- Allows for expansion and contraction of hot pipes and gives up to four hours protection.
- Easy to cut, no more hacksawing and de-burring steel pipes. Envirograf Sleeves can be cut with a knife, and off cuts can be taped together leaving no waste.

#### USE

Used for pipes passing through fire rated walls and ceilings that must be allowed to expand and contract.

The intumescent will stay in situ in the application until activated by a fire reaching 130°C approximately 1-2 minutes into a fire.

The Intumescent wall sleeves will last a lifetime in situ and will not degrade or deteriorate.

For every 1mm of intumescent when activated in a fire will expand to approximately 25mm (e.g. 2mm intumescent = 50mm expansion)

#### Note:

When used in a block/plasterboard wall situation the usual application is for the Intumescent Wall Sleeve to go from face (**risk side**) to face (**non risk side**). It is also acceptable to apply the Intumescent Wall Sleeve on the face (**risk side**) to not quite touching the opposite face (**non risk side**).

We usually say to cut the hole for the penetration the size of the Intumescent Wall Sleeve you have ordered but if the hole is larger you can apply a seal around the Intumescent Wall Sleeve with Envirograf® Product 58 AM Mastic.

**Material Specification:**

The Intumescent wall sleeves are made from foil clad Intumescent material.

Multigraf Intumescent material chemical constitution

Mineral Wool Fibre	20-70% by weight
Exfoliating Graphite	20-60% by weight
Organic Binder (including adhesive coating)	5.0-30% by weight

**Test Details:**

	<u>Integrity</u>	<u>Insulation</u>
Chiltern – RF97062A	67 Minutes	N/A (Hollow Wall)
Trada – TFEIF 94006	130 Minutes	N/A (Solid Wall)