

## **FIRE PROTECTION SPECIFICATION** **FOR PVC-U PIPEWORK**

### **PRODUCT DETAILS 4:1**

#### **GENERAL 4:1:1**

Fire protection to all PVC-U pipework between 40mm I.D. and 160mm diameter, where it passes through a designated fire barrier, compartment walls or floors, to be Polypipe Terrain 'FIREBRAKE' (Ref. No. 1725) intumescent firesleeves. All Fire Sleeves to be tested to BS 476 Part 20 and to hold an independent test certificate and have a fire rating ability of at least four hours, when built into the protected wall/floor.

The sleeve construction is to be of stainless steel, lined with a graphite based intumescent laminate. The one piece shell is to be wrapped around the pipe and held in place by a locking tab. One end of the body is to have tabs with holes for fixing to the surface.

Fixing instructions are to be as per manufacturer's recommendations.

### **INSTALLATION REQUIREMENTS: 4:2**

#### **Vertical fixing within floor slab:4:2:1**

All vertical PVC-U pipework of 40mm I.D. to 160mm diameter passing through a fire barrier to have a Firebrake Sleeve, supplied by Polypipe, positioned within the slab thickness, but exposed at the soffit. Following installation, all openings around the sleeve to be made good using material that will provide the necessary fire rating, i.e. concrete.

#### **Vertical fixing to soffit of floor slab:4:2:2**

All vertical PVC-U pipework of 40mm I.D. to 160mm diameter passing through a fire barrier to have a 'Firebrake' Sleeve, supplied by Polypipe, fitted around the pipework and to be securely fixed flush with the soffit of the floor slab. Any imperfection between Firebrake flange and mating surface to be filled with intumescent mastic (Polypipe Terrain Intumescent Mastic Ref. No. 1727).

#### **Horizontal fixing within wall thickness:4:2:4**

All horizontal PVC-U pipework of 40mm I.D. to 160mm diameter passing through a fire barrier to have a Firebrake Sleeve, supplied by Polypipe, fitted around the pipework within the wall thickness with one face of the sleeve exposed. If wall is of sufficient thickness to accommodate two sleeves, each sleeve to have a face exposed.

#### **Horizontal fixing to surface of wall :4:2:5**

All horizontal UPVC pipework of 40mm I.D. to 160mm diameter passing through a fire barrier to have a Firebrake Sleeve, supplied by Polypipe, fitted around the pipework on both sides of the barrier. Both sleeves to be securely fixed to the barrier and any imperfection in the joint between the Firebrake flange and the barrier surface to be filled with an intumescent mastic.