



**TABLE OF FLOOR
 PENETRATIONS
 AND
 CONTROL JOINTS**

MULTISERVICE OR UNSERVICED PENETRATIONS – FLOOR

Description	Product	FRL	Certificate
400 x unlimited length penetration, or 600 x 400 mm penetration with:	Fire Mortar	-/240/180 -/240/120	FG2/1 FG2/2
• Ferrous metal or copper pipes to 150mm dia.	Acrylic Sealant	-/120/-	FG2/3
• Ferrous metal or copper pipes to 100mm dia.	Acrylic Sealant	-/180/-	FG2/4
• Ferrous metal or brass pipes to 100mm dia.	Acrylic Sealant / IBS	-/240/-	FG2/5
• Ferrous metal or copper pipes to 200mm dia.	Acrylic Sealant / IBS	-/120/-	FG2/5
• Insulated ferrous metal or copper pipes to 76mm dia.	Acrylic Sealant	-/240/120	FG2/6
• 140 x 90mm bundle of 50 pair telecommunications cables	Fire Mortar and Acrylic Sealant	-/120/90	FG2/7
• 160 x 85mm finned busway	Acrylic Sealant / IBS	-/240/-	FG2/8
• 100 x 10mm copper busbar	Fire Pillows	-/240/-	FG2/9
• Assorted power and telecommunications cables with or without cable tray (AS 4072.1 'D1')	Fire Mortar and Acrylic Sealant	-/240/30	FG2/10
• Ferrous metal or copper pipes to 100mm dia.	Fyre-sleeve and Acrylic Sealant	-/240/-	FG2/11

Description	Product	FRL	Certificate
0.25m² (eg 500 x 500 mm) penetration through 120 mm thick slab, or:	Fire Pillows	-/120/120	FG1/4
• with ferrous metal or copper pipes to 150 mm with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4
• with brass pipes to 100 mm with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4
• with telecommunications and power cables with or without cable trays with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4
0.25m² (eg 500 x 500 mm) penetration through 120 mm thick slab, or:	Fire Pillows	-/180/180	FG1/4
• with ferrous metal or copper pipes to 150 mm with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4
• with brass pipes to 100 mm with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4
• with telecommunications and power cables with or without cable trays with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4

ELECTRICAL SERVICE PENETRATIONS – FLOOR

Description	Product	FRL	Certificate
400 x unlimited length penetration, or 600 x 400 mm penetration with:	Fire Mortar	-/240/180 -/240/120	FG2/1 FG2/2
• 140 x 90mm bundle of 50 pair telecommunications cables	Fire Mortar and Acrylic Sealant	-/120/90	FG2/7
• 160 x 85mm finned busway	Acrylic Sealant / IBS	-/240/-	FG2/8
• 100 x 10mm copper busbar	Fire Pillows	-/240/-	FG2/9
• Assorted power and telecommunications cables with or without cable tray (AS 4072.1 'D1')	Fire Mortar and Acrylic Sealant	-/240/30	FG2/10
0.25m² (eg 500 x 500 mm) penetration through 120 mm thick slab with:			
• with telecommunications and power cables with or without cable trays with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4
0.25m² (eg 500 x 500 mm) penetration through 120 mm thick slab with:			
• with telecommunications and power cables with or without cable trays with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4

METAL PIPE PENETRATIONS – FLOOR

Description	Product	FRL	Certificate
400 x unlimited length penetration, or 600 x 400 mm penetration with:	Fire Mortar	-/240/180 -/240/120	FG2/1 FG2/2
• Ferrous metal or copper pipes to 150 mm dia.	Acrylic Sealant	-/120/-	FG2/3
• Ferrous metal or copper pipes to 100 mm dia.	Acrylic Sealant	-/180/-	FG2/4
• Ferrous metal or brass pipes to 100 mm dia.	Acrylic Sealant/IBS	-/240/-	FG2/5
• Ferrous metal or copper pipes to 200 mm dia.	Acrylic Sealant/IBS	-/120/-	FG2/5
• Insulated ferrous metal or copper pipes to 76 mm dia.	Acrylic Sealant	-/240/120	FG2/6
• Ferrous metal or copper pipes to 100 mm dia.	Fyre-sleeve and Acrylic Sealant	-/240/-	FG2/11
0.25m2 (eg 500 x 500 mm) penetration through 120 mm thick slab with:			
• with ferrous metal or copper pipes to 150 mm with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4
• with brass pipes to 100 mm with insulation guards	Fire Pillows	-/180/- -/180/180	FG1/4
0.25m2 (eg 500 x 500 mm) penetration through 120 mm thick slab with:			
• with ferrous metal or copper pipes to 150 mm with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4
• with brass pipes to 100 mm with insulation guards	Fire Pillows	-/120/- -/120/120	FG1/4

PLASTIC PIPE PENETRATIONS – FLOOR

Notes 2 from AS4072.1 (4.6)

4.6.1 General 'Results obtained from a particular test shall not be applied to plastic pipes of different diameters, wall thicknesses or material type.' - except as defined at 4.6.3.

4.6.4 Pipe fittings 'Unless plastic pipe fitting are fire tested within the penetration and the required FRL is achieved, these pipe fittings are not acceptable within the sealing system.'

Description	Product	FRL	Certificate

CONTROL JOINTS – FLOOR

Description	Product	FRL	Certificate
Fire side only application to joint widths of:			
• up to 53mm	Acrylic Sealant	-/120/120	FG4/1
• up to 53mm	Acrylic Sealant	-/180/180	FG4/1
• up to 53mm	Acrylic Sealant	-/240/240	FG4/1
Non fire side or fire side application to joint widths of:			
• up to 20mm	Acrylic Sealant	-/240/180	FG4/2