



category	soundproofing
description	PyroJoint
part code	FR100-FR190, FR200-FR290



PYROJOINT is an acoustic/intumescent expansion joint sealer

The sub-division of compartments in a building – if effectively fire-stopped – will prevent the spread of fire and smoke through fire resisting and separating elements. All expansion and movement joints in a fire-separating wall and floor must be fire-stopped with a proprietary material that will accommodate the required movement whilst providing the necessary degree of fire integrity.

PyroJoint is manufactured using various thicknesses of flame retardant open cell foam, fire rated to achieve Class 1 and Class 0 when tested to BS476:Part 20.

Expandable graphite-based intumescent material is factory sprayed onto both sides of the foam, forming compressible fire resistant joint filler which is resistant to moisture attack.

The graphite-based material starts to intumesce around 115°C on the fire side of the joint whilst the fire-rated foam gradually compresses allowing the expanding mass of intumescent graphite to totally seal the opening.

This carbonaceous char formed by the graphite will prevent the spread of fire through the joint thus ensuring that the integrity of the compartment wall/floor is maintained.

Applications

- Between steelwork and blockwork where deflection and movement could occur.
- In movement joints with blockwork walls and floors.
- Top of wallhead to the underside of the floor - although gaps could be uneven PyroJoint Intumescent Expansion Joint Seal is extremely compressible and should accommodate any irregularities.
- Use around mechanical services such as pipes and ductworks etc.

PyroJoint is an extremely versatile filler material.

Installation

Installation is easily effected by compressing the pre-cut PyroJoint Intumescent Expansion Joint Seal and inserting it into the joint, then releasing. A minimum compression of 15% of the thickness is recommended to ensure a rigid friction fit, although it can be compressed up to 50%.

PyroJoint is supplied in 1m lengths that can easily be butted together. Cutting can be done with a fine-toothed hacksaw, making sure that the ends are cut square.

If you have very rough concrete joints then we can supply a slightly different intumescent strip material which is designated 'FR-L'.

Properties

- Tested to BS476: Part 20
- PR EN1336-4
- Up to 4 hours fire resistance
- Weatherproof and water resistant
- Suits internal and external applications
- Cost-effective
- Easy to install
- Supplied in 1m lengths
- Can be cut with fine-toothed hacksaw
- Extremely compressible to accommodate irregularities
- Performance temperature between -30°C and +130°C
- Available in various thicknesses
- FR-L intumescent strip material available for very rough concrete joints

Gap Width	Product reference for gap size in relation to fire resistance			
	FR 60 mins	Part code	FR 120 mins	Part code
10mm	PyroJoint 10/60FR	FR100	PyroJoint 10/120FR	FR200
20mm	PyroJoint 20/60FR	FR110	PyroJoint 20/120FR	FR210
30mm	PyroJoint 30/60FR	FR120	PyroJoint 30/120FR	FR220
40mm	PyroJoint 40/60FR	FR130	PyroJoint 40/120FR	FR230
50mm	PyroJoint 50/60FR	FR140	PyroJoint 50/120FR	FR240
60mm	PyroJoint 60/60FR	FR150	PyroJoint 60/120FR	FR250
70mm	PyroJoint 70/60FR	FR160	PyroJoint 70/120FR	FR260
80mm	PyroJoint 80/60FR	FR170	PyroJoint 80/120FR	FR270
90mm	PyroJoint 90/60FR	FR180	PyroJoint 90/120FR	FR280
100mm	PyroJoint 100/60FR	FR190	PyroJoint 100/120FR	FR290



GAP (mm)	FR 60 mins	FR 120mins
>10mm	sizes in mm 20 10 12 FR100	sizes in mm 38 10 12 FR200
10-20mm	20 19 23 FR110	38 19 23 FR210
20-30mm	25 19 34 10 34 FR120	38 19 34 10 34 FR220
30-40mm	25 19 45 19 45 FR130	38 19 45 19 45 FR230
40-50mm	25 19 58 19 58 10 58 FR140	38 19 58 19 58 10 58 FR240
50-60mm	38 19 67 19 67 19 67 FR150	50 19 67 19 67 19 67 FR250
60-70mm	38 19 77 19 77 19 77 10 77 FR160	50 19 77 19 77 19 77 10 77 FR260
70-80mm	38 19 89 19 89 19 89 19 89 10 89 FR170	65 19 89 19 89 19 89 19 89 10 89 FR270
80-90mm	38 19 100 19 100 19 100 19 100 10 100 FR180	65 19 100 19 100 19 100 19 100 10 100 FR280
90-100mm	38 19 115 19 115 19 115 19 115 19 115 FR190	65 19 115 19 115 19 115 19 115 19 115 FR290

