Allproof Low Profile Fire Collar
Plastic Pipe through a 2 x 13mm
Plasterboard Ceiling-Particleboard Floor
See pg2 for PVC, PP-R, PEX, etc

BRANZ Appraisal 1008
Technical Manual - Plumbing Pg 15
AS1530.4-2014   AS4072.1-2005

BRANZ

System/FPA Register ID# FC735

Products	Allproof Low-Profile Fire Collar
Application	Fire stopping of plastic pipe in floor-ceiling system
Construction	Ceiling of 2x13mm FR plasterboard on 190mm timber framing and floor above of 19mm particleboard

Fire Classification:

See pg2 for details of pipe types and sizes:

PVC up to 150mm diam

FRR -/90/90

PVC with PVC socket up to 100mm diam

FRR -/90/90

Polybute up to 28mm diam

FRR -/90/90

PP-R up to 32mm diam

FRR -/90/90

PEX up to 32mm diam

FRR -/90/90

INSTALLATION INSTRUCTIONS:

1. Ensure substrate around the pipe is flat and free from obstructions.
2. Seal the annular space between the plasterboard and the pipe with Allproof MAS310 fire sealant to a depth of at least 13mm
3. Open pipe collar and position around the pipe.
4. Slide tab through slot in pipe collar and fold back 180° to secure.
5. Secure collar using metal hollow wall anchors fixed directly into the plasterboard. Do not use fixings which rely on plastic or nylon components for grip.
6. Finally seal the space between the pipe and the particleboard with a silicone sealant (or with FR Acrylic/MAS310).
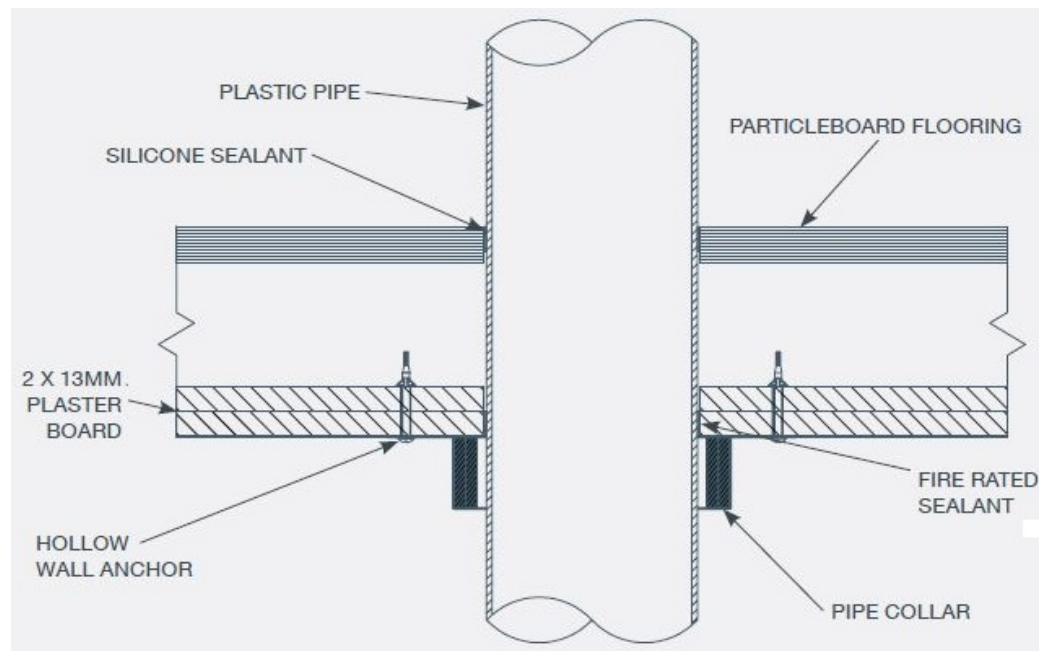
BRANZ Appraised
Appraisal No.1088 [2019]

ALLPROOF
INDUSTRIES

Allproof Industries Ltd
17 Bay Park Place
Beach Haven, AK 0626

For all technical details on the products specified please refer to the technical data sheets that can be found on www.firestopcentre.co.nz

Signed and approved:

Sheet size: A4	Drawn date & no: 28/5/25
Scale: NTS	Drawn by: G.P

2 X 13MM PLASTERBOARD CEILING TEST RESULTS:

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PENETRATION HOLE SIZE (MM)	PLASTERBOARD CEILING FRL*	REPORT NUMBER
PVC PLASTIC PIPE					
40	2.0	ALLFC40	55	-/90/90	190268.1
50	2.5	ALLFC50	70	-/90/90	190268.1
65	2.7	ALLFC65	76	-/90/90	210371
80	2.9	ALLFC80	89	-/90/90	210371
100	3.5	ALLFC100	110	-/90/90	190268.1
150	4.5	ALLFC150	162	-/90/90	146206
PVC PLASTIC PIPE - WITH PVC SOCKETS					
40	Socket	ALLFC40	51	-/90/90	142100
50	Socket	ALLFC50	70	-/90/90	210371
65	Socket	ALLFC65	76	-/90/90	210371
80	Socket	ALLFC80	89	-/90/90	210371
100	Socket	ALLFC100	114	-/90/90	142100
POLYBUTE					
15	1.9	ALLFC25	19	-/90/90	142100
20	2.1	ALLFC25	25	-/90/90	142100
28	3.0	ALLFC25	32	-/90/90	142100
PP-R PLASTIC PIPE (SDR 7.4)					
20	2.8	ALLFC25	25	-/90/90	142100
25	3.5	ALLFC25	29	-/90/90	146206
PP-R PLASTIC PIPE (SDR 11)					
32	3.2	ALLFC40	40	-/90/90	190268.1
PEX PIPE					
16	2.4	ALLFC25	24	-/90/90	190268.1
20	2.8	ALLFC25	25	-/90/90	142100
25	3.5	ALLFC25	28	-/90/90	142100
32	4.4	ALLFC50	37	-/90/90	146206

Fixing: Collars tested using hollow wall anchors

Tested using a 190mm deep timber framing with two layers of 13mm fire rated plasterboard on the exposed side of the frame and 19mm particleboard flooring on the unexposed side of the frame. A total floor-ceiling thickness of 235mm. Fire collars are fixed using hollow wall anchors directly into plasterboard - not fixed into framing or studs. Fire rated sealant is applied in the space between the pipe and plasterboard on the exposed face and silicone sealant between the pipe and particleboard flooring on the unexposed face.