



FIRESTOP CENTRE

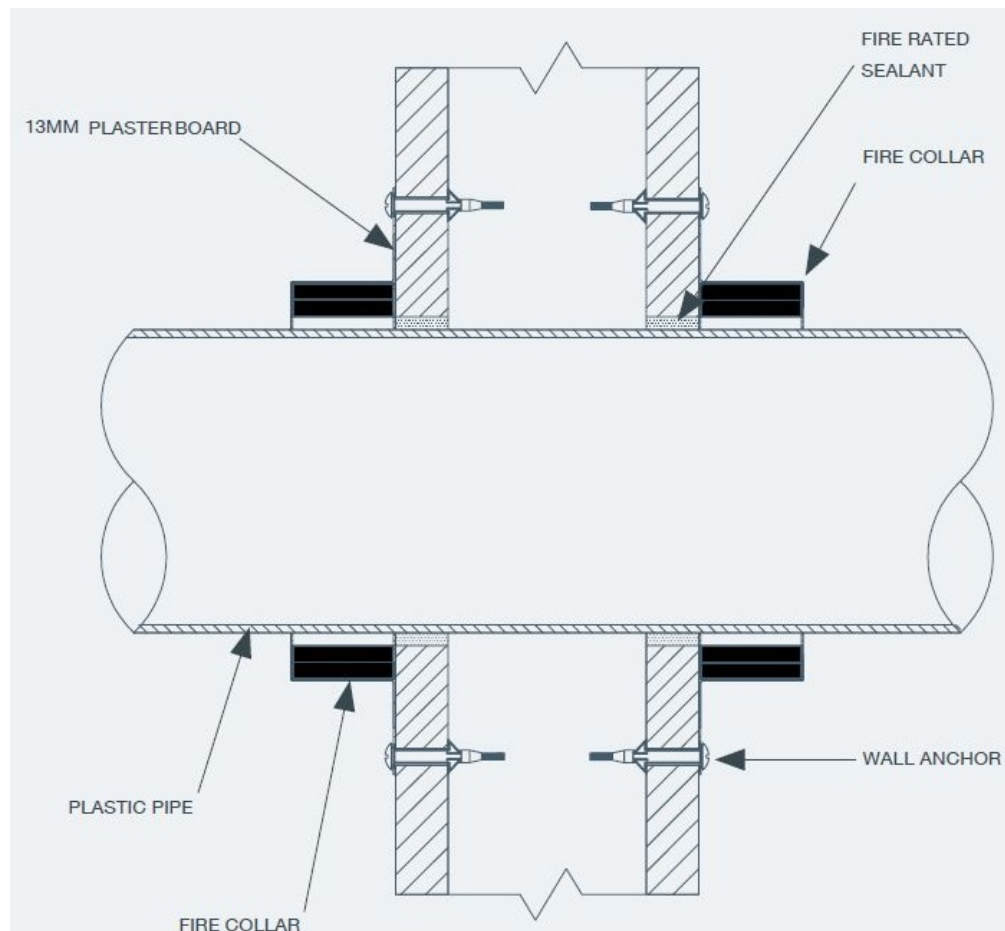
Authorised New Zealand Distributor
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Allproof Low Profile Fire Collar Plastic Pipe through 1x13mm Plasterboard Wall See Pages 2-3 for details

INSTALLATION INSTRUCTIONS:

1. Ensure substrate around the service is flat and free from obstructions.
2. Seal the annular space between the plasterboard and the pipe with Allproof MAS310 fire sealant to the depth of the plasterboard.
3. Open pipe collar and position around the service.
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.

Note: PEX, Polybutene and patch systems use dog pan head screws (see Pg 2)



BRANZ Appraised
Appraisal No.1088 [2019]

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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:



BRANZ Appraisal 1008
Technical Manual - Plumbing
Pages 18-19
AS1530.4-2014 AS4072.1-2005

System ID# FC737

Products	Allproof Low-Profile Fire Collar
Application	Fire stopping of plastic pipe in 1x 13mm plasterboard wall
Construction	Minimum wall thickness 90mm with single layer 13mm FR plasterboard each side

Fire Classification:

See pages 2-3 for details of pipe types, sizes and FRR ratings for:

PVC up to 150mm diam
PVC 175-225mm diam with patch (see Pg 3)
PVC with socket up to 100mm diam
Polybutene up to 32mm diam
PEX up to 32mm diam
Raupiano PP-MD up to 100mm diam
D Blue PP-MD up to 110mm diam
PE-RT/AL/PE-RT up to 40mm diam
PP-R up to 40mm diam
PEX/AL/PEX up to 32mm diam
PEX/AL/PE up to 20mm diam

ALLPROOF INDUSTRIES

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

13MM PLASTERBOARD WALL TEST RESULTS:

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PENETRATION HOLE SIZE (MM)	PLASTERBOARD WALL FRL*	REPORT NUMBER
PVC PLASTIC PIPE					
20*	1.9	ALLFC25	28	-/60/60	147932
25*	2.1	ALLFC25	30	-/60/60	13509
32*	2.9	ALLFC40	44	-/60/60	147932
40*	2.0	ALLFC40	47	-/60/45	143281-001
50*	2.2	ALLFC50	57	-/60/60	5572
65*	2.7	ALLFC65	72	-/60/60	5810
80*	2.9	ALLFC80	87	-/60/60	5572
100*	3.2	ALLFC100	112	-/60/60	5810
150*	4.5	ALLFC150	162	-/60/60	147932
PVC PLASTIC PIPE - WITH SOCKET					
40*	Socket	ALLFC40	48	-/60/45	180434.3
50*	Socket	ALLFC50	62	-/60/45	180434.3
65*	Socket	ALLFC65	72	-/60/60	146207
80*	Socket	ALLFC80	87	-/60/60	146207
100*	Socket	ALLFC100	117	-/60/60	180434.3
POLYBUTE					
12**	1.3	ALLFC25	16	-/60/60	148459
16**	2.1	ALLFC25	20	-/60/60	148459
20**	2.2	ALLFC25	25	-/60/60	148459
25**	2.8	ALLFC25	28	-/60/60	148459
32**	3.6	ALLFC50	37	-/60/60	148459
PEX PIPE					
16**	1.8	ALLFC25	20	-/60/60	148459
20**	2.2	ALLFC25	25	-/60/60	148459
25**	2.8	ALLFC25	28	-/60/60	148459
32*	4.4	ALLFC50	37	-/60/60	146207
RAUPIANO PP-MD					
40*	1.8	ALLFC40	47	-/60/45	143281-001
50*	1.8	ALLFC50	57	-/60/45	143281-001
75*	1.9	ALLFC80	77	-/60/60	147932
100*	2.7	ALLFC100	117	-/60/60	143281-001
D BLUE PP-MD					
50*	1.3	ALLFC50	57	-/90/60	180355.1
75*	1.3	ALLFC80	86	-/90/60	180355.1
110*	2.2	ALLFC100	121	-/90/60	180355.1
PE-RT/AL/PE-RT					
16*	2.2	ALLFC25	20	-/60/45	190083
20*	2.2	ALLFC25	25	-/60/45	190083
25*	2.7	ALLFC25	29	-/60/45	190083
32*	3.1	ALLFC40	38	-/60/45	190083
40*	4.3	ALLFC40	44	-/60/-	190083

Continued on next page.

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PENETRATION HOLE SIZE (MM)	PLASTERBOARD WALL FRL*	REPORT NUMBER
OTHER PLASTIC PIPE					
20 PP-R (SDR 7.4)*	2.8	ALLFC25	25	-/60/60	148954
25 PP-R (SDR 11)*	2.3	ALLFC25	29	-/60/45	143281-001
32 PP-R (SDR 11)*	2.9	ALLFC40	38	-/60/60	13509
40 PP-R (SDR 11)*	3.7	ALLFC40	45	-/60/60	148954
16 PEX/AL/PEX*	2.0	ALLFC25	19	-/60/45	5810
20 PEX/AL/PEX*	3.1	ALLFC25	25	-/60/45	5810
20 PEX/AL/PE*	2.9	ALLFC25	30	-/60/60	13509
25 PEX/AL/PEX*	2.5	ALLFC25	28	-/60/60	147932
32 PEX/AL/PEX*	3.0	ALLFC40	37	-/60/-	147932
PLASTIC PIPE - IN WALL					
40 PVC*	2.0	ALLFC40	70	-/60/45	143281-001
40 PVC*	Socket	ALLFC40	70	-/60/60	147932
20 PB**	2.2	ALLFC25	45	-/60/60	148459
20 PEX**	2.2	ALLFC25	45	-/60/60	148459
25 PEX**	2.8	ALLFC25	45	-/60/-	148459
25 PP-R*	4.0	ALLFC25	45	-/60/45	5572

* Fixing: Hollow wall anchors

** Fixing: 6.5mm x 32mm dog pan head screw anchors

Tested using a 64mm wide steel stud with a single layer of 13mm fire rated plasterboard on each side of the frame. A total wall thickness of 90mm. Fire collars are fixed directly into plasterboard - not fixed into framing or studs in wall. Fire rated sealant is applied in the space between the pipe and plasterboard on both the exposed and unexposed face.

13MM PLASTERBOARD WALL WITH PATCH TEST RESULTS:

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PATCH SIZE (MM)	PENETRATION HOLE SIZE (MM)	PLASTERBOARD WALL FRL*	REPORT NUMBER
PVC PLASTIC STORMWATER PIPE						
175		ALLFC200	400x400	202	-/60/60	148954
225		ALLFC250	450x450	252	-/60/60	148954

Fixing: Collars tested using 6.5mm x 32mm dog pan head screws

Tested using a 64mm wide steel stud with a single layer of 13mm fire rated plasterboard on each side of the frame and a 13mm fire rated plasterboard patch. A total wall thickness of 90mm. Fire collars are fixed using dog pan head screws 6.5mm x 32mm directly into plasterboard - not fixed into framing or studs in wall. Fire rated sealant is applied in the space between the pipe and plasterboard on both the exposed and unexposed face.