



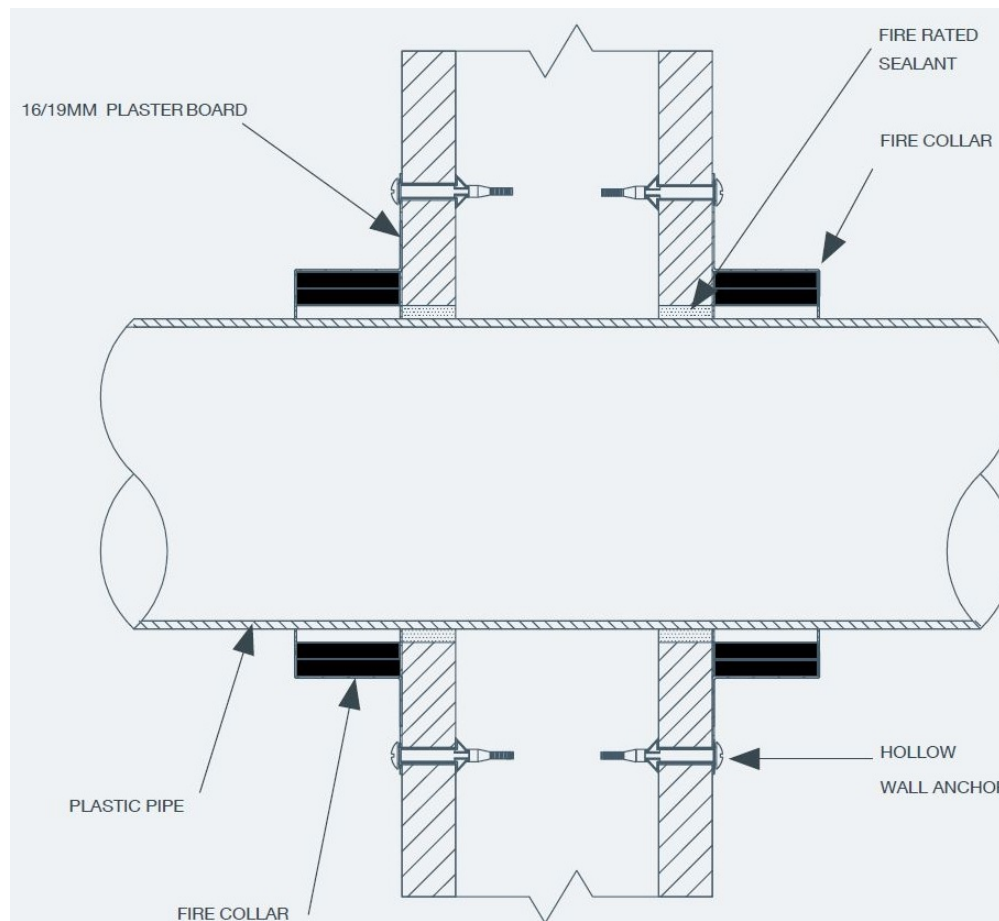
FIRESTOP CENTRE

Authorised New Zealand Distributor
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Allproof Low Profile Fire Collar Plastic Pipe through 1x16mm & 1x19mm Plasterboard Wall See Page 2 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.



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 20-21
AS1530.4-2014 AS4072.1-2005

System ID# FC522

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 page 2 for details of pipe types, sizes and FRR ratings for:

PVC up to 150mm diam
HDPE up to 110mm diam
PEX up to 25mm diam
PP-R up to 110mm diam

ALLPROOF INDUSTRIES

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

16MM 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					
40	2	ALLFC40	47	-/90/60	200379
PEX PIPE					
16	2	ALLFC25	19	-/90/60	200379
20	3	ALLFC25	25	-/90/60	200379
25	4	ALLFC25	30	-/90/60	200379
OTHER PLASTIC PIPE - IN WALL					
25 PEX/AL/PE	4	ALLFC25	30	-/90/60	200379

Tested using a 64mm wide steel stud with a single layer of 16mm fire rated plasterboard on each side of the frame. A total wall thickness of 96mm. Fire collars are fixed using M8 hollow wall anchors to suit 10-16mm 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.

19MM 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					
40	2.0	ALLFC40	47	-/120/90	4041
50	2.2	ALLFC50	57	-/120/90	3808
65	2.7	ALLFC65	72	-/120/90	4373
80	2.9	ALLFC80	87	-/120/90	4041
100	3.2	ALLFC100	112	-/120/90	4466
150	4.5	ALLFC150	162	-/90/60	4289
HDPE PLASTIC PIPE					
50	3.0	ALLFC50	52	-/120/120	4466
75	3.0	ALLFC80	77	-/120/90	4373
110	4.3	ALLFC100	112	-/120/90	4466
PP-R PLASTIC PIPE (SDR 7.4)					
40	5.5	ALLFC40	42	-/120/90	4373
50	6.9	ALLFC50	52	-/120/90	4373
63	8.6	ALLFC65	65	-/90/90	4584
75	10.3	ALLFC80	77	-/90/30	4584
110	15.1	ALLFC100	112	-/30/30	4584

Tested using a 92mm wide steel stud with a single layer of 19mm fire rated plasterboard on each side of the frame. A total wall thickness of 130mm. Fire collars are fixed using hollow wall anchors directly into plasterboard - not fixed into framing or studs in wall. 25mm fire collars tested in the wall penetration not exposed outside of wall.