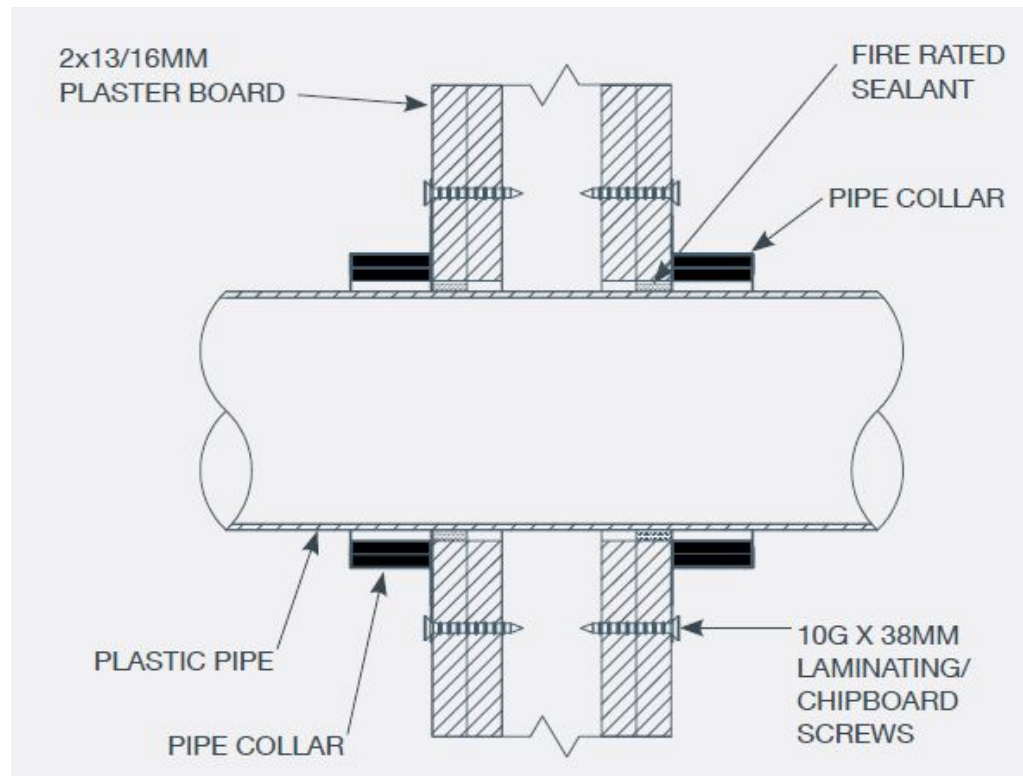Allproof Low Profile Fire Collar
Plastic Pipe through a Plasterboard Wall
Double Layer 13mm or 16mm Fire Board
See pg 2 for details

BRANZ Appraisal 1008
Technical Manual - Plumbing Pg 16
AS1530.4-2014   AS4072.1-2005

BRANZ

System/FPA Register ID# FC742

Products	Allproof Low-Profile Fire Collar
Application	Fire stopping of plastic pipe in double layer plasterboard wall
Construction	Minimum wall thickness 116mm with double layer 13mm or 16mm board each side

Fire Classification:

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

PEX up to 25mm
PVC up to 100mm
PEX/AL/PEX up to 20mm

See also FC737 and FC738 single layer systems which may all be used on double layer walls, covering the following pipes;

PVC up to 150mm diam
PVC with socket up to 100mm diam
HDPE up to 110mm diam Ploybute up to 28mm diam
PEX up to 25mm diam
Ruapiano PP-MD up to 100mm diam
D Blue PP-MD up to 110mm diam PP-R up to 110mm diam
PEX/AL/PEX up to 20mm diam
PEX/AL/PE up to 20mm diam
PE-RT/AL/PE-RT up to 40mm diam PB up to 20mm diam

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.

2x13/16MM PLASTER BOARD
FIRE RATED SEALANT
PIPE COLLAR
PLASTIC PIPE
PIPE COLLAR
10G X 38MM LAMINATING/ CHIPBOARD SCREWS

BRANZ Appraised
Appraisal No.1088 [2019]

ALLPROOF
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Sheet size: **A4**	Drawn date & no: 28/7/23
Scale: **NTS**	Drawn by: G.P

2 X 13MM PLASTERBOARD WALL TEST RESULTS:

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PENETRATION HOLE SIZE (MM)	PLASTERBOARD WALL FRL*	FTC#
PEXa PIPE					
16	2.6	ALLFC25	19	-/120/120	44185300.1
20	2.9	ALLFC25	25	-/120/120	44185300.1
25	3.7	ALLFC25	28	-/120/120	44185300.1

* Tested using a 64mm wide steel stud with a single layer of 2 x 13mm fire rated plasterboard on each side of the frame. A total wall thickness of 116mm. Pipe collars are fixed using 2 x 10G x 38mm laminating or chipboard screws directly into plasterboard - not fixed into framing or studs in wall. Intumescent sealant is applied in the space between the pipe and plasterboard on both the exposed and unexposed face.

2 X 16MM PLASTERBOARD WALL TEST RESULTS:

NOMINAL PIPE SIZE (MM)	NOMINAL PIPE WALL THICKNESS (MM)	PRODUCT CODE	PENETRATION HOLE SIZE (MM)	PLASTERBOARD WALL FRL*	FTC#
PVC PLASTIC PIPE					
40	2.0	ALLFC40	47	-/120/120	718
50	2.2	ALLFC50	57	-/120/120	718
65	2.7	ALLFC65	72	-/120/120	718
80	2.9	ALLFC80	87	-/120/120	718
100	3.2	ALLFC100	112	-/120/120	718
PEX PIPE					
16	2.6	ALLFC25	19	-/120/120	718
OTHER PLASTIC PIPE					
20 PEX/AL/PEX	3.1	ALLFC25	25	-/120/120	718

* Tested using a 64mm wide steel stud with a single layer of 2 x 16mm fire rated plasterboard on each side of the frame. A total wall thickness of 128mm. Pipe collars are fixed using 10G x 40mm laminating or chipboard screws directly into plasterboard - not fixed into framing or studs in wall. Intumescent sealant is applied in the space between the pipe and plasterboard on both the exposed and unexposed face.

2 X 13/16MM PLASTERBOARD INSTALLATION DETAILS: