BRANZ Appraisal 1008 FIRESTOP CENTRE Allproof Low Profile Fire Collar Technical Manual - Plumbing Pg 16 Plastic Pipe through a Plasterboard Wall INNOVATIVE FIRESTOP SOLUTIONS AS1530.4-2014 AS4072.1-2005 BRANZ Authorised New Zealand Distributor Double Layer 13mm or 16mm Fire Board System/FPA Register ID# FC742 Ph (09) 483 4000 www.firestopcentre.co.nz See pg 2 for details Products Allproof Low-Profile Fire Collar Application Fire stopping of plastic pipe in **INSTALLATION INSTRUCTIONS:** double layer plasterboard wall Construction Minimum wall thickness 116mm FIRE RATED 1. Ensure substrate around the service is flat 2x13/16MM with double layer 13mm or SEALANT PLASTER BOARD and free from obstructions. 16mm board each side 2. Seal the annular space between the Fire Classification: plasterboard and the pipe with Allproof Think PIPE COLLAR See pages 2 for details of pipe types, sizes and MAS310 fire sealant to the depth of the FRR ratings for: PEX up to 25mm 3. Open pipe collar and position around the PVC up to 100mm PEX/AL/PEX up to 20mm 4. Slide tab through slot in pipe collar and fold back 180° to secure. See also FC737 and FC738 single layer systems 5. Secure collar using metal hollow wall which may all be used on double layer walls, anchors fixed directly into the covering the following pipes; plasterboard. Do not use fixings which PVC up to 150mm diam rely on plastic or nylon components for PVC with socket up to 100mm diam HDPE up to 110mm diam Ploybute up to 28mm **Minin** 10G X 38MM diam PLASTIC PIPE LAMINATING/ PEX up to 25mm diam CHIPBOARD Ruapiano PP-MD up to 100mm diam D Blue PP-MD up to 110mm diam PP-R up to SCREWS **PIPE COLLAR** 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 As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change Drawn date & no: Sheet size:

product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Firestop Centre has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

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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:

