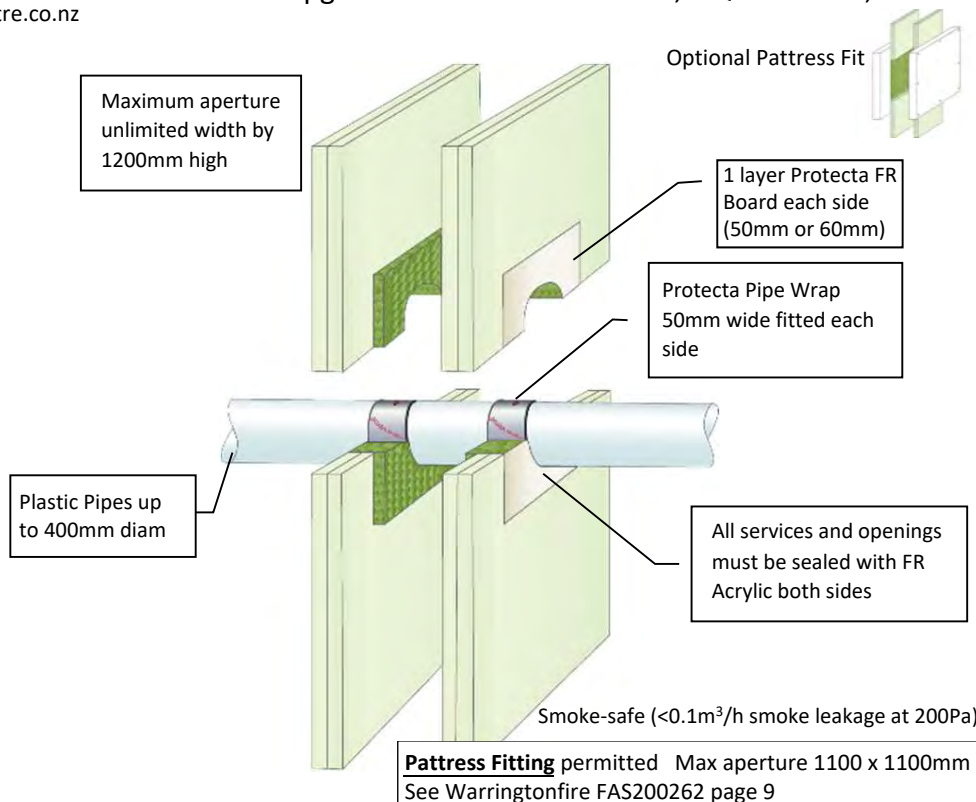


### Installation Instructions

1. Before installing Protecta® FR Board ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
2. The coated side of the board should be flush with the surface of the gypsum on both sides.
3. When fire sealing shaft walls consisting of gypsum only on one side, subject to authority approval, install Protecta® FR Board on the exposed side. The board should be facing the (fire) exposed side.
4. Cut the required board(s) to suit the aperture dimensions and type and size of service penetration(s). All exposed and cut edges of the board can be sealed with Protecta® FR Acrylic prior to fitting which will act as an adhesive and ensure a smoke tight seal.
5. Boards to be friction fitted, pipe wrap fitted to each side, then all joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
6. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.
7. Apertures not required to be lined. Cavity insulation optional.



### Minimum separations and limitations

An aperture can include several services, and they may also be different. Services within the system Protecta® FR Board seal do not require a minimum separation, except pipes where pipe insulation penetrates the seal and plastic pipe penetrations which should be a minimum of 30 mm from other services in the aperture. Services should be a minimum of 25mm from seal edges. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The minimum permitted separation between adjacent apertures is 200mm.

System/FPA Register ID# FC581

<b>Products</b>	Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wrap
<b>Application</b>	Fire stopping of plastic pipes in plasterboard walls
<b>Construction</b>	Minimum wall thickness of 75mm and comprise steel studs or timber studs lined on both faces with minimum 1 layer of 13mm thick board.

### Fire & Sound Classification

Required pipe wrap layers  
 Pipes up to 40mm - 1 layer  
 Pipes up to 110mm - 2 layers  
 Pipes up to 125mm - 3 layers  
 Pipes up to 200mm - 6 layers  
 Pipes up to 250mm - 7 layers  
 Pipes up to 315mm - 10 layers  
 Pipes up to 400mm - 16 layers

For 75mm thick walls, single layer board:  
 All above FRRs approved subject to maximum FRR -/60/60 and max aperture of 900 x 1200mm (See page 9)

Sound Reduction (seal only) STC 64



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# FIRESTOP CENTRE

INNOVATIVE FIRESTOP SOLUTIONS  
 Authorised New Zealand Distributor  
 Ph (09) 483 4000 www.firestopcentre.co.nz

## Protecta FR Board - Plasterboard Wall - Plastic Pipe Details for PVC, HDPE, PEX, ABS, PP, etc



FAS 200262 Pages 72, 95, 9  
 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC581

Pipes	Wall thickness	Wrap	Closed Systems Only				
			Classification		Wrap	Classification	
PVC-U, PVC-C and similar			50mm 1-S	60mm 2-S		50mm 1-S	60mm 2-S
Up to 40mm diam	Up to 3.0mm	50mm x 1 layer	FRR -/120/120		50mm x 2 layers		FRR -/120/120
Up to 110mm diam	Up to 6.6mm				50mm x 2 layers	FRR -/120/90	FRR -/120/120
Up to 125mm diam	Up to 7.4mm				50mm x 3 layers	FRR -/120/90	
Up to 160mm diam	Up to 9.5mm				50mm x 6 layers	FRR -/120/90	FRR -/120/120
Up to 200mm diam	Up to 11.9mm				50mm x 6 layers	FRR -/90/90	
Up to 315mm diam	Up to 12.1mm				50mm x 10 layers	FRR -/90/90	
Up to 400mm diam	Up to 15.3mm				50mm x 16 layers	FRR -/90/90	
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar							
Up to 40mm diam	Up to 3.7mm	50mm x 1 layer	FRR -/120/120				FRR -/120/120
Up to 110mm diam	Up to 10.0mm				50mm x 2 layers	FRR -/120/90	FRR -/120/120
Up to 125mm diam	Up to 12.0mm				50mm x 3 layers	FRR -/120/90	
Up to 160mm diam	Up to 14.6mm				50mm x 6 layers	FRR -/120/90	FRR -/120/120
Up to 200mm diam	Up to 18.2mm				50mm x 6 layers	FRR -/90/90	
Up to 315mm diam	Up to 18.7mm				50mm x 10 layers	FRR -/90/90	
Up to 400mm diam	Up to 23.7mm				50mm x 16 layers	FRR -/90/90	
PP, PP-MV, PP-H, PP-R and similar							
Up to 40mm diam	Up to 5.5mm	50mm x 1 layer	FRR -/120/120				FRR -/120/120
Up to 110mm diam	Up to 15.1mm	50mm x 2 layers	FRR -/90/90				FRR -/120/120
Up to 125mm diam	Up to 17.1mm				50mm x 3 layers	FRR -/120/90	
Up to 160mm diam	Up to 21.9mm				50mm x 6 layers	FRR -/120/90	FRR -/120/120
Up to 200mm diam	Up to 18.2mm				50mm x 6 layers	FRR -/90/90	
Up to 315mm diam	Up to 28.6mm				50mm x 10 layers	FRR -/60/60	

**Products** Protecta FR Board  
 Protecta FR Acrylic  
 Protecta FR Pipe Wrap

**Application** Fire stopping of plastic pipes in plasterboard walls

**Construction** Minimum wall thickness of 75mm and comprise steel studs or timber studs lined on both faces with minimum 1 layer of 13mm thick board.

**Fire & Sound Classification**  
 Required pipe wrap layers  
 Pipes up to 40mm - 1 layer  
 Pipes up to 110mm - 2 layers  
 Pipes up to 125mm - 3 layers  
 Pipes up to 200mm - 6 layers  
 Pipes up to 250mm - 7 layers  
 Pipes up to 315mm - 10 layers  
 Pipes up to 400mm - 16 layers

For 75mm thick walls, single layer board:  
 All above FRRs approved subject to maximum FRR -/60/60 and max aperture of 900 x 1200mm (See page 9)

Sound Reduction (seal only) STC 64



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## Protecta FR Board - Plasterboard Wall - Plastic Pipe Details for ACOUSTIC, AQUATHERM, etc



FAS 200262 Pages 72, 95, 9  
 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC581

Pipes	Wall thickness	Wrap	Classification	Closed Systems Only	
				Wrap	Classification
<b>Rehau Raupiano Plus PP-DD and similar</b>					
Up to 50mm diam	Up to 2.7mm	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 2.7mm			50mm x 2 layers	FRR -/120/120
Up to 125mm diam	Up to 3.9mm			50mm x 4 layers	FRR -/120/120
Up to 160mm diam	Up to 3.9mm			50mm x 6 layers	FRR -/120/120
<b>POLO-Kai NG Poloplast PP-MV and similar</b>					
Up to 50mm diam	Up to 3.4mm	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/120
Up to 125mm diam	Up to 3.9mm			50mm x 4 layers	FRR -/120/120
Up to 160mm diam	Up to 4.9mm			50mm x 6 layers	FRR -/120/120
<b>Aquatherm Green SDR9 MF PP-RP and similar</b>					
Up to 32mm diam	Up to 3.0mm			50mm x 1 layer	FRR -/120/90
Up to 50mm diam	Up to 12.3mm			50mm x 2 layers	FRR -/120/90
Up to 110mm diam	Up to 12.3mm			50mm x 2 layers	FRR -/120/90
<b>Wavin SiTech + PP-MB and similar</b>					
Up to 50mm diam	Up to 3.4mm	50mm x 2 layers	FRR -/120/90		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/60
<b>Gilbert Silent PP and similar</b>					
Up to 50mm diam	Up to 3.4m	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/120
<b>Blue Power Multilayer pipes and similar</b>					
Up to 50mm diam	Up to 1.8mm	50mm x 2 layers	FRR -/90/90		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/90/90
Up to 160mm diam	Up to 4.9mm			50mm x 6 layers	FRR -/90/90
<b>Uponor Decibel pipes and similar</b>					
Up to 50mm diam	Up to 2.0mm	50mm x 2 layers	FRR -/90/90		
Up to 110mm diam	Up to 3.8mm			50mm x 2 layers	FRR -/90/90

**Products** Protecta FR Board  
 Protecta FR Acrylic  
 Protecta FR Pipe Wrap

**Application** Fire stopping of plastic pipes in plasterboard walls

**Construction** Minimum wall thickness of 75mm and comprise steel studs or timber studs lined on both faces with minimum 1 layer of 13mm thick board.

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