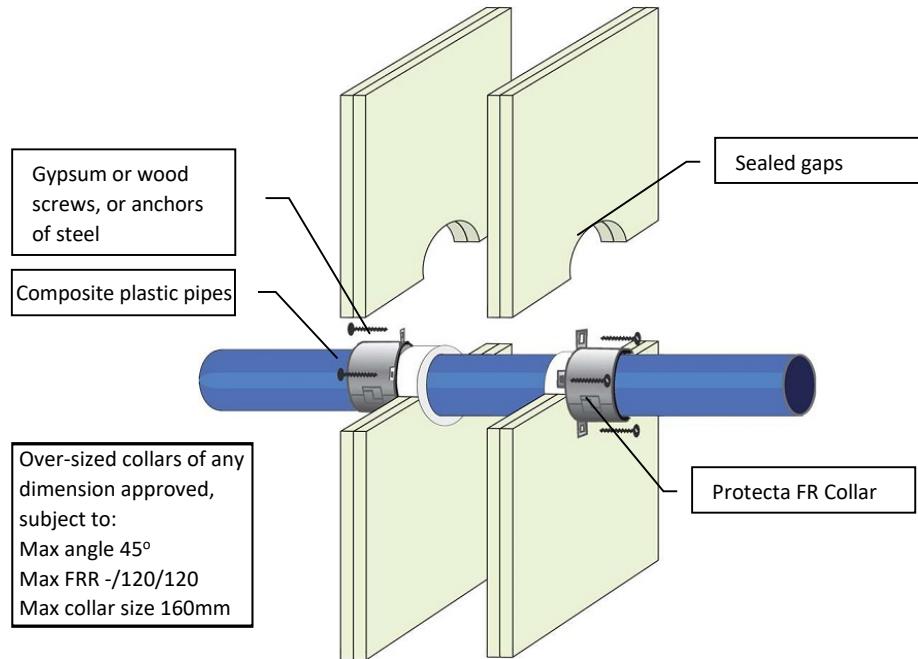


Protecta FR Collar - Reinforced PP Low-noise or PP-R, PP-RP Pipes in 100mm Plasterboard Walls See pg2 for Aquatherm, Geberit, Wavin, Uponer, etc

Installation Instructions

1. For sealing plastic pipes, a pipe collar is installed on both sides of the wall.
2. Before fitting the pipe collar ensure that any gaps between the pipe and the separating element are sealed. Gaps between the pipe and the construction below 8mm must have a bead of Protecta FR Acrylic to cover the opening, and for gaps 8mm or above, the seal must be plugged with FR Acrylic to the depth of the plasterboard.
3. Place a pipe collar around the service penetration (pipe) and ensure that the fixing lugs are positioned tightly to the surface of the wall so that the anchors/fixings can be inserted fully.
4. Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the wall and the pipe collar.
5. Attach the pipe collar with steel screws, anchors or fixings that are suitable for the number of boards that form the wall.
6. On sites where the penetration size is greater than the pipe diameter and/or the pipe is on an angle an oversized collar can be used. Protecta® FR Collars are tested 'oversize', i.e. the internal diameter of the collar can be larger than the pipe.



Types of Pipes

1. Acoustic or Low-Noise mineral reinforced PP water discharge pipes.
 Tested on all major brands:-
 Wavin SiTech+PP-MB
 Geberit Silent PP
 Polo-Kai NG Poloplast PP-MV
 Rehau Raupiano Plus PP-DD
 BluePower Multilayer TR02-PP
2. Potable domestic water piping made of reinforced PP-R or PP-RP
 Aquatherm Green SDR9 MF PP-RP

System/FPA Register ID# FC432

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of composite plastic pipes in flexible walls.
Construction	Minimum wall thickness of 100mm* and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 12.5mm thick board.

Fire & Sound classification

Fire classifications in table on page 2.

*The wall thickness can be reduced (to allow for single layer wall systems) but the local thickness of the aperture must be built up to a minimum thickness of 100mm by installing additional layers of 13mm fire rated plasterboard around the opening (min 100mm x 100mm from edge of the aperture).

ZERO smoke leakage up to 200Pa with 10mm FR Acrylic

Sound reduction (seal only) STC 58



Protecta®

Polyseam Ltd, 15 St Andrews Road,
 Huddersfield, West Yorkshire, HD1 6SB

Sheet size:	Drawn date & no:
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Scale:	Drawn by:
NTS	K.B

Services	Pipe Wall	Collar Height	Classification	Closed Systems Only	
				Collar Height	Classification
Rehau Raupiano Plus PP-DD and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/90		
Up to 110mm diam	Up to 2.7mm	50mm	FRR -/120/60		
Up to 125mm diam	Up to 3.1mm	60mm	FRR -/120/120		
Up to 160mm diam	Up to 3.9mm	60mm	FRR -/120/120		
Polo-Kai NG Poloplast PP-MV and similar					
Up to 50mm diam	Up to 2.0mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/90		
Up to 125mm diam	Up to 3.9mm	60mm	FRR -/120/-	60mm	FRR -/120/120
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/120/120		
Aquatherm Green SDR9 MF PP-RP and similar					
Up to 32mm diam	Up to 5.6mm			30mm	FRR -/120/120
Up to 50mm diam	Up to 5.6mm			50mm	FRR -/120/120
Up to 110mm diam	Up to 12.3mm			50mm	FRR -/120/60
Wavin SiTech + PP-MB and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Gilbert Silent PP and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Blue Power Multilayer TR02-PP and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/90		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Up to 125mm diam	Up to 3.8mm	60mm	FRR -/60/60		
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/90/90		
Uponor Decibel and similar					
Up to 110mm diam	Up to 3.8mm	50mm	FRR -/120/60		

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of composite plastic pipes in flexible walls
Construction	Minimum wall thickness of 100mm* and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 12.5mm thick board.

Fire & Sound classification

Fire classifications in table on left.

*The wall thickness can be reduced (to allow for single layer wall systems) but the local thickness of the aperture must be built up to a minimum thickness of 100mm by installing additional layers of 13mm fire rated plasterboard around the opening (min 100mm x 100mm from edge of the aperture).

ZERO smoke leakage up to 200Pa with 10mm FR Acrylic

Sound reduction (seal only) STC 58



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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:

Sheet size:	Drawn date & no:
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