



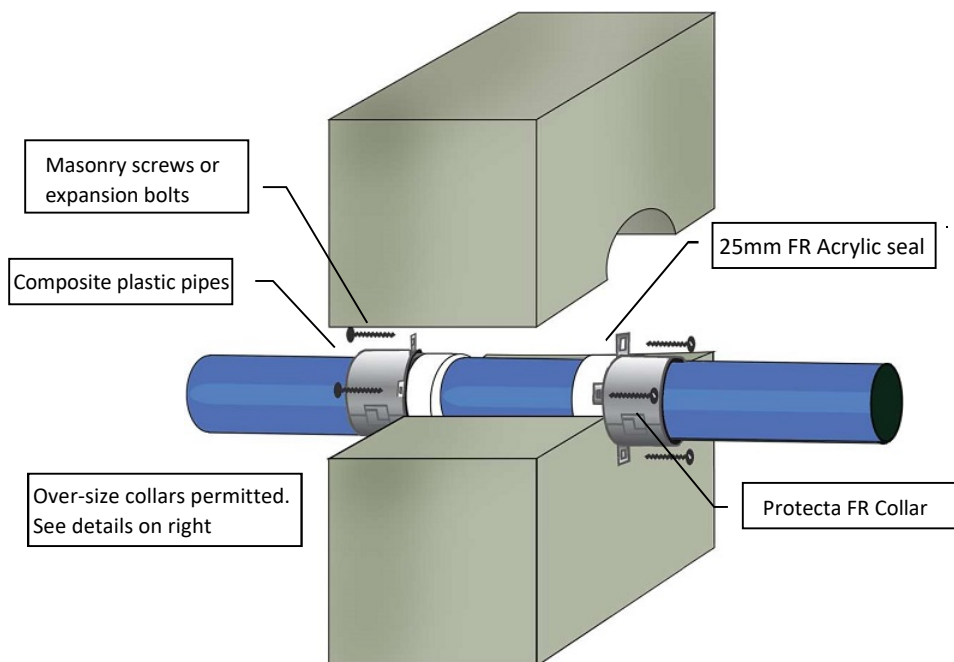
FIRESTOP CENTRE

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

Protecta FR Collar - Reinforced PP Low-noise
or PP-R, PP-RP Pipes in 100mm Concrete 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 a depth of 25mm.
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 masonry screws or expansion bolts that are suitable for the substrate that the collar will be fitted to.
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 pipes.
Tested brands:
Wavin SiTech+PP-MB, Geberit Silent PP, Polo-Kai NG Poloplast PP-MV, Rehau Raupiano Plus PP-DD & BluePower Multilayer TR02-PP
2. Pipe made of reinforced PP-R or PP-RP
Aquatherm Green SDR9 MF PP-RP

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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:

warringtonfire

FAS 190125 Pages 22, 9
AS1530.4-2014 AS4072.1-2005

System FC610

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of composite plastic pipes in rigid walls
Construction	Minimum wall thickness of 100mm and comprise concrete, aerated concrete or masonry, with a density of $\geq 650 \text{ kg/m}^3$

Fire & Sound classification

Fire classifications in table on page 2.

Over-sized collars:

Max pipe size : 50
Max angle : 45o
Max FRR : -/120/120
Max collar size : 160m

ZERO smoke leakage up to 200Pa

Sound reduction (seal only) STC 58

Protecta®

Sheet size: **A4**
Drawn date & no: **28/7/21 R1.1**

Scale: **NTS**
Drawn by: **K.B**



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				Closed Systems Only	
Services	Wall thickness	Collar Height	Classification	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 -/120/60		
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/120/90		
Uponor Decibel and similar					
Up to 110mm diam	Up to 3.8mm	50mm	FRR -/120/60		

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