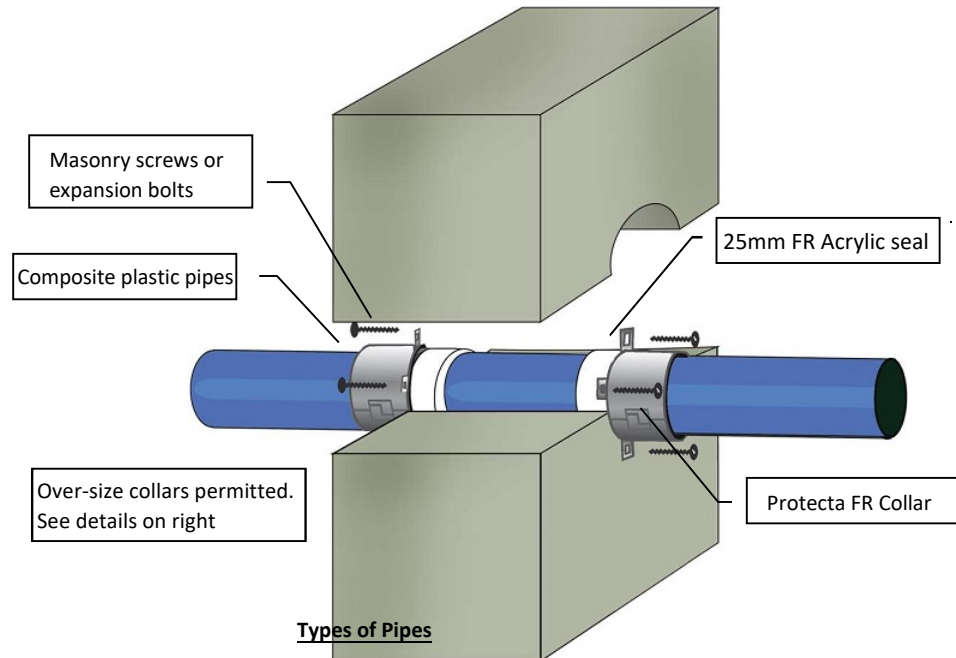


## Protecta FR Collar - Reinforced PP Low-noise or PP-R, PP-RP Pipes in 100mm Concrete Walls

See pg2 for Aquatherm, Geberit, Wavin, Uponor, etc

### Installation Instructions

- For sealing plastic pipes, a pipe collar is installed on both sides of the wall.
- 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.
- 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.
- Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the wall and the pipe collar.
- Attach the pipe collar with masonry screws or expansion bolts that are suitable for the substrate that the collar will be fitted to.
- 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

- 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
- Potable domestic water piping made of reinforced PP-R or PP-RP  
 Aquatherm Green SDR9 MF PP-RP

System/FPA Register ID# FC610

<b>Products</b>	Protecta FR Collar Protecta FR Acrylic
<b>Application</b>	Fire stopping of composite plastic pipes in rigid walls
<b>Construction</b>	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** of any dimension approved, subject to:  
 Max angle 45°  
 Max FRR -/120/120  
 Max collar size 160mm

ZERO smoke leakage up to 200Pa

Sound reduction (seal only) STC 58



FAS 190125 AS1530.4-2014 AS4072.1-2005

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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](http://www.firestopcentre.co.nz)

Signed and approved:



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

Sheet size: <b>A4</b>	Drawn date & no: 28/7/21
Scale: <b>NTS</b>	Drawn by: K.B

Services	Wall thickness	Collar Height	Classification	Closed Systems Only	
				Collar Height	Classification
<b>Rehau Raupiano Plus PP-DD and similar</b>					
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		
<b>Polo-Kai NG Poloplast PP-MV and similar</b>					
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		
<b>Aquatherm Green SDR9 MF PP-RP and similar</b>					
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
<b>Wavin SiTech + PP-MB and similar</b>					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
<b>Gilbert Silent PP and similar</b>					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
<b>Blue Power Multilayer TR02-PP and similar</b>					
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		
<b>Uponor Decibel and similar</b>					
Up to 110mm diam	Up to 3.8mm	50mm	FRR -/120/60		

**System/FPA Register ID# FC610**

<b>Products</b>	Protecta FR Collar Protecta FR Acrylic
<b>Application</b>	Fire stopping of composite plastic pipes in rigid walls
<b>Construction</b>	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 opposite

**Over-sized collars** of any dimension approved, subject to:  
Max angle 45°  
Max FRR -/120/120  
Max collar size 160mm

ZERO smoke leakage up to 200Pa

 Sound reduction (seal only) STC 58


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