



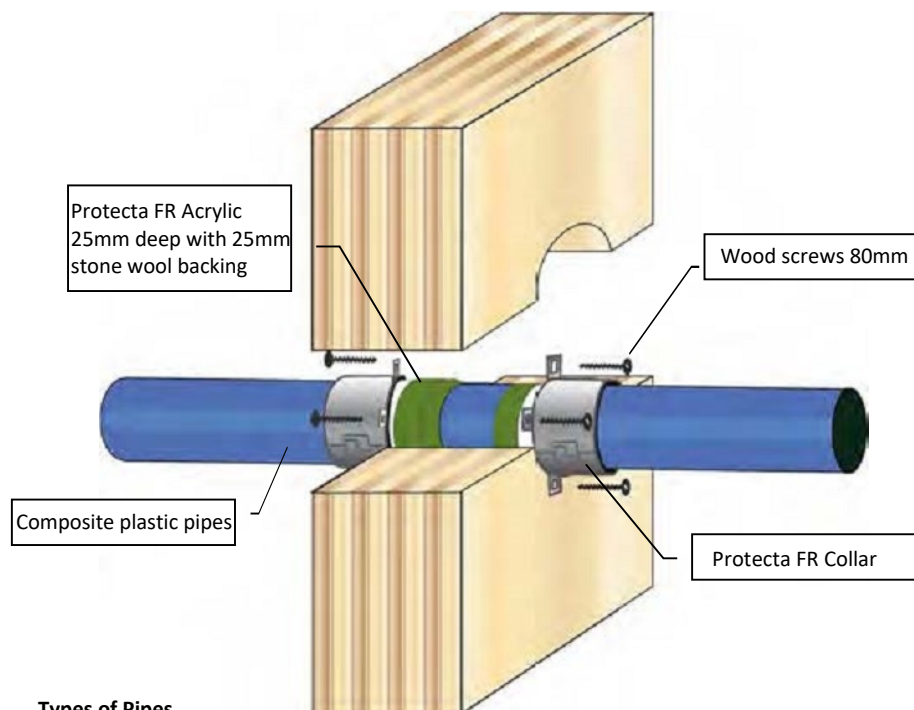
# FIRESTOP CENTRE

Authorised New Zealand Distributor  
Ph (09) 483 4000 [www.firestopcentre.co.nz](http://www.firestopcentre.co.nz)

Protecta FR Collar - Reinforced PP Low-noise  
or PP-R, PP-RP Pipes in 100mm Timber/CLT  
Walls See pg2 for Aquatherm, Geberit, Wavin,  
Uponor, 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 must be plugged with 25mm deep Protecta FR Acrylic on 25mm deep backing of stone-wool (or 50mm FR Acrylic).
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 80mm wood screw 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. Annular gap must be minimum 10mm for pipe sizes up to 160mm. Annular gap for larger pipe sizes must be 8-12mm.
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](http://www.firestopcentre.co.nz)

Signed and approved:

warringtonfire

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

## System FC603

<b>Products</b>	Protecta FR Collar Protecta FR Acrylic
<b>Application</b>	Fire stopping of composite plastic pipes in timber walls.
<b>Construction</b>	Minimum wall thickness of 100mm and comprise solid wood or cross-laminated timber with min density 510kg/m <sup>3</sup>

## Fire & Sound classification

Fire classifications in table on page 2

### Over-sized collars:

Max pipe size	: 50mm
Max angle	: 45°
Max FRR	: -/120/120
Max collar size	: 160mm

ZERO smoke leakage up to 200Pa

Sound reduction (seal only) STC 58

**Protecta®**

Sheet size: <b>A4</b>	Drawn date & no: 28/7/21 R1.1
Scale: <b>NTS</b>	Drawn by: K.B



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

				Closed Systems Only	
Services	Wall thickness	Collar Height	Classification	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		

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