

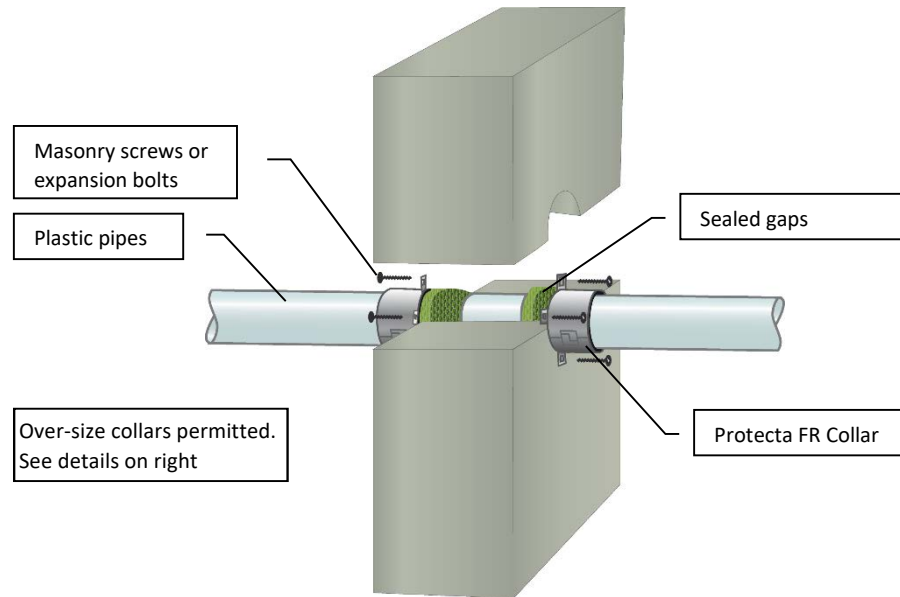
Protecta FR Collar

Plastic Pipe in Concrete, AAC, Masonry Wall

See pg 2, 3 for PVC, PE, HDPE, PEX, PP, PP-R, 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. For gaps 8mm or above the seal must be plugged with 25mm deep FR Acrylic except for 150mm walls which require 20mm deep FR Acrylic on 20mm deep backing of stone-wool (or 40mm 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 fixings can be inserted fully.
4. Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the wall/floor and the pipe collar.
5. Attach the pipe collar with masonry screws or expansion bolts that are suitable for the substrate that the pipe 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.



warringtonfire

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

System/FPA Register ID# FC145

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of 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 pages 2 & 3.

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 with 10mm FR Acrylic

Sound reduction (seal only) STC 58



Protecta®

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Scale: NTS	Drawn by: K.B
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As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Polyseam has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

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:

Protecta FR Collar - Plastic Pipe 100mm & 120mm Concrete, AAC, Masonry Wall PVC, PE, HDPE, PEX, PP, PP-R, etc

System/FPA Register ID# FC145

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Note: Systems include plasterboard systems which are all approved for use in concrete

Annular space up to 8mm requires bead of FR Acrylic. Annular space above 8mm requires 25mm deep seal of FR Acrylic

Services	Wall thickness	Collar Height	Classification	Closed Systems Only			
				Collar Height	Classification	Collar Height	Classification
PVC-U, PVC-C and similar				120mm walls only			
Up to 50mm diam	Up to 4.6mm	30mm	FRR -/90/60			50mm	FRR -/120/120
Up to 110mm diam	Up to 6.6mm	50mm	FRR -/90/60	30mm	FRR -/60/60	50mm	FRR -/120/120
Up to 140mm diam	Up to 8.3mm	50mm	FRR -/90/60			60mm	FRR -/120/120
Up to 160mm diam	Up to 9.5mm	60mm	FRR -/60/60	50mm	FRR -/90/90	60mm	FRR -/120/120
Up to 200mm diam	Up to 11.9mm			60mm	FRR -/120/120		
Up to 315mm diam	Up to 12.1mm			75mm	FRR -/90/90		
Up to 400mm diam	Up to 11.9mm			100mm	FRR -/120/90		
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar							
Up to 50mm diam	Up to 4.6mm	30mm	FRR -/90/45	30mm	FRR -/90/60		
Up to 50mm diam	Up to 4.6mm	50mm	FRR -/120/90			50mm	FRR -/120/120
Up to 110mm diam	Up to 10.0mm	50mm	FRR -/90/60	30mm	FRR -/60/60	50mm	FRR -/120/90
Up to 160mm diam	Up to 14.6mm	60mm	FRR -/90/90	50mm	FRR -/60/60	60mm	FRR -/90/90
Up to 200mm diam	Up to 18.2mm			60mm	FRR -/120/90		
Up to 400mm diam	Up to 36.3mm			100mm	FRR -/90/90		
PP, PP-MV, PP-H, PP-R and similar							
Up to 50mm diam	Up to 4.6mm	30mm	FRR -/90/60			50mm	FRR -/120/90
Up to 110mm diam	Up to 6.6mm	50mm	FRR -/90/60	30mm	FRR -/90/60	50mm	FRR -/120/90
Up to 160mm diam	Up to 14.6mm	60mm	FRR -/60/60	50mm	FRR -/60/60	60mm	FRR -/120/90
Up to 200mm diam	Up to 18.2mm			60mm	FRR -/120/90		
Up to 400mm diam	Up to 22.7mm			100mm	FRR -/60/60		

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Signed and approved:

Protecta FR Collar - Plastic Pipe in 150mm Concrete, AAC, Masonry Wall PVC, PE, HDPE, PEX, PP, PP-R, etc

System/FPA Register ID# FC145

Annular space up to 8mm requires bead of FR Acrylic.
 Annular space above 8mm requires 20mm deep seal of FR Acrylic backed with 20mm mineral wool (or 40mm FR Acrylic)

Services	Wall thickness	Collar Height	Classification	Closed Systems Only		
				Collar Height	Classification	
PVC-U, PVC-C and similar						
Up to 50mm diam	Up to 3.7mm	50mm	FRR -/240/180			
Up to 110mm diam	Up to 6.6mm	50mm	FRR -/180/180			
Up to 140mm diam	Up to 8.4mm	60mm	FRR -/240/240			
Up to 160mm diam	Up to 9.5mm			60mm	FRR -/240/120	
Up to 315mm diam	Up to 9.2mm			75mm	FRR -/120/120	
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar						
Up to 50mm diam	Up to 4.6mm	50mm	FRR -/240/240			
Up to 110mm diam	Up to 4.5mm	50mm	FRR -/240/180	50mm	FRR -/180/120	Up to 6.6mm wall thickness
Up to 160mm diam	Up to 9.5mm	60mm	FRR -/180/180			
Up to 200mm diam	Up to 18.2mm			75mm	FRR -/60/60	
Up to 250mm diam	Up to 22.7mm			75mm	FRR -/120/90	
PP, PP-MV, PP-H, PP-R and similar						
Up to 50mm diam	Up to 5.5mm	30mm	FRR -/240/240			
Up to 110mm diam	Up to 6.3mm	50mm	FRR -/240/90	50mm	FRR -/240/240	Up to 10.0mm wall thickness
Up to 160mm diam	Up to 14.6mm	60mm	FRR -/240/60	60mm	FRR -/240/180	

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