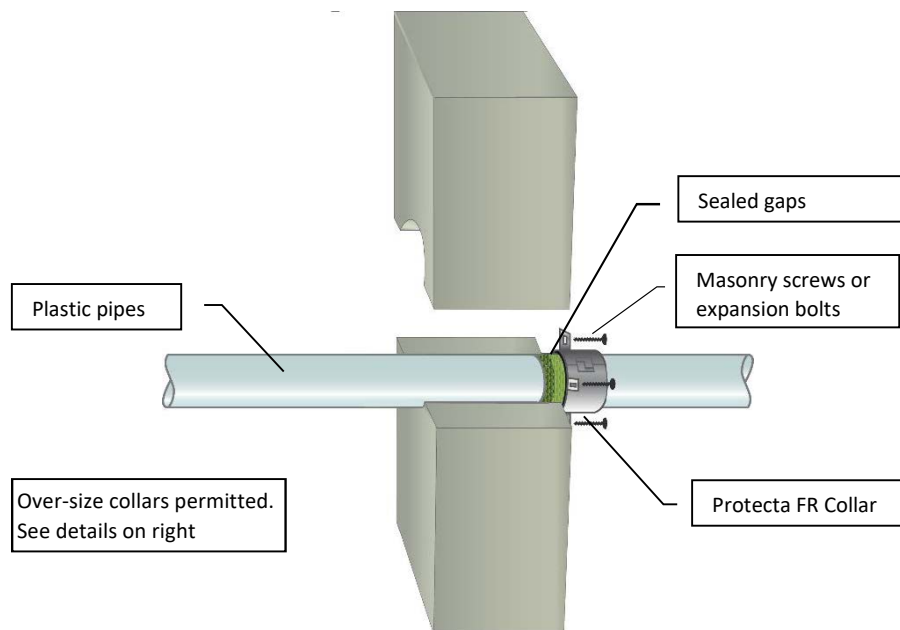


Protecta FR Collar - Plastic Pipe in Concrete Wall Single Collar to either side of Wall See pg2 for PVC, HDPE, PEX, PP-R, PP-MV, etc

Installation Instructions

1. For sealing plastic pipes, a pipe collar is installed on either side 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 20mm deep FR Acrylic on 20mm deep backing of stone-wool.
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.



System/FPA Register ID# FC550

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of plastic pipes in rigid walls
Construction	Minimum wall thickness of 75mm* 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.

*Higher FRRs shown are for a 150mm wall. Where the FRR of a thinner wall is less than these ratings then the Collar rating must be reduced to match the FRR of the wall.

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

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®

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

Sheet size: A4	Drawn date & no: 28/7/20
Scale: NTS	Drawn by: K.B

System/FPA Register ID# FC550

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of plastic pipes in rigid walls
Construction	Minimum wall thickness of 75mm* 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 left.

*Higher FRRs shown are for a 150mm wall. Where the FRR of a thinner wall is less than these ratings then the Collar rating must be reduced to match the FRR of the wall.

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

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 -/180/120
Up to 160mm diam	Up to 9.5mm			60mm	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 -/180/120
Up to 110mm diam	Up to 4.5mm			50mm	FRR -/90/90
PP, PP-MV, PP-H, PP-R and similar					
Up to 50mm diam	Up to 4.6mm			50mm	FRR -/90/90

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