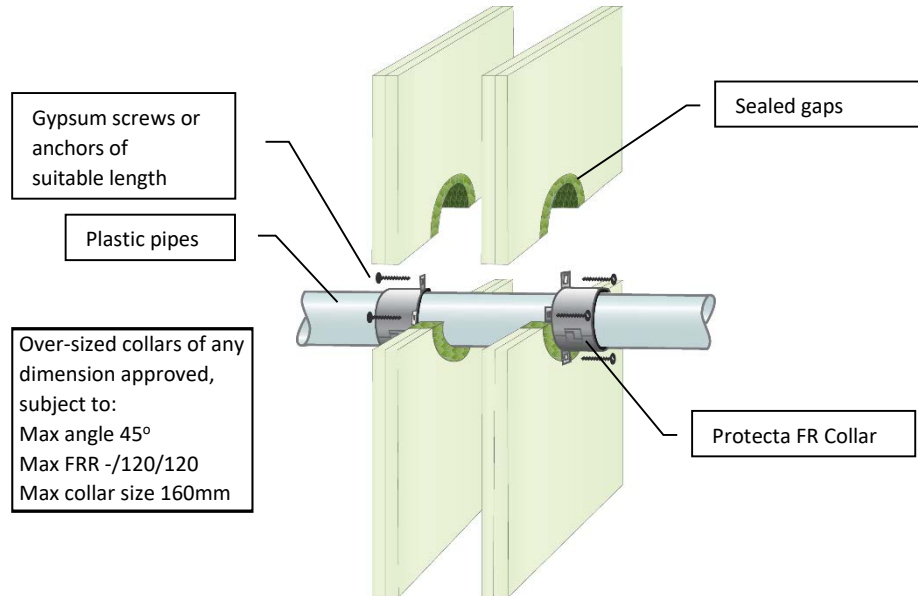


### Installation Instructions

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 the depth of the plasterboard.
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 gypsum screws or anchors with a length suitable for the number of boards that form the wall.
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.



Gypsum screws or anchors of suitable length

Plastic pipes

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

Sealed gaps

Protecta FR Collar

## Protecta FR Collar

### Plastic Pipe in 100mm Plasterboard Wall

See pg 2 for PVC, PE, HDPE, PEX, PP, PP-R, etc

System/FPA Register ID# FC144

<b>Products</b>	Protecta FR Collar Protecta FR Acrylic
<b>Application</b>	Fire stopping of plastic pipes in flexible walls.
<b>Construction</b>	Minimum wall thickness of 100mm* and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 13 mm thick board.

### Fire & Sound classification

Fire classifications in table on page 2.

\*The wall thickness can be reduced (to allow for single layer wall systems) but the local thickness of the aperture must be built up to a minimum thickness of 100mm by installing additional layers of 13mm fire rated plasterboard around the opening (min 100mm x 100mm from edge of the aperture).

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](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: 28/7/20
Scale: <b>NTS</b>	Drawn by: K.B

Services	Wall thickness	Collar Height	Classification	Closed Systems Only			
				Collar Height	Classification	Collar Height	Classification
<b>PVC-U, PVC-C and similar</b>				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		
<b>PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar</b>							
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		
<b>PP, PP-MV, PP-H, PP-R and similar</b>							
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		

ZERO Smoke leakage up to 200Pa with 10mm FR Acrylic



ETA 21/0070




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

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

Signed and approved:

System/FPA Register ID# FC144

**Products** Protecta FR Collar  
Protecta FR Acrylic

**Application** Fire stopping of plastic pipes in flexible walls

**Construction** Minimum wall thickness of 100mm\* and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 13 mm thick board.

#### Fire & Sound classification

Fire classifications in table on left.

\*The wall thickness can be reduced (to allow for single layer wall systems) but the local thickness of the aperture must be built up to a minimum thickness of 100mm by installing additional layers of 13mm fire rated plasterboard around the opening (min 100mm x 100mm from edge of the aperture).

Sound reduction (seal only) STC 58



# Protecta®

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

Tel: +44 (0) 148 4421036

 Email: [post.uk@polyseam.com](mailto:post.uk@polyseam.com)

Sheet size: **A4**  
 Drawn date & no: 28/7/20

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