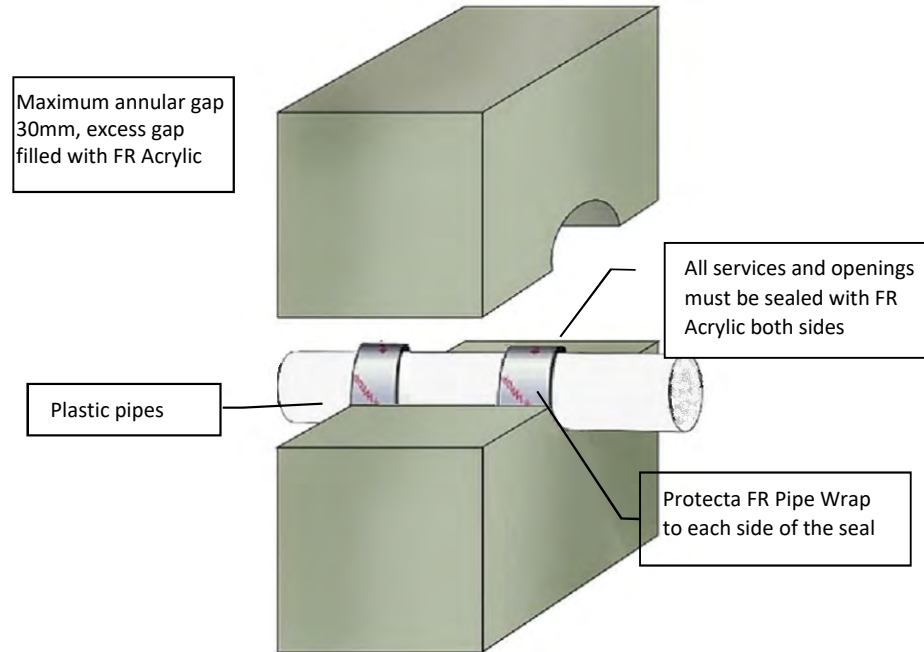


Installation Instructions

1. Before installing Protecta® FR Pipe Wrap ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
2. The FR Pipe Wrap should be flush with the surface of the wall on both sides.
3. Maximum annular space of 30mm with all remaining annular gap to be filled with Protecta® FR Acrylic to the full depth of the wall. This will also ensure a smoke tight seal.



System/FPA Register ID# FC571

Products	Protecta FR Pipe Wrap Protecta FR Acrylic
Application	Fire stopping of plastic pipes in core-drilled concrete walls
Construction	Minimum wall thickness of 100mm and comprise concrete, aerated concrete or masonry, with a density of ≥ 650 kg/m ³

Fire & Sound Classification

Required pipe wrap layers

Pipes up to 40mm	- 1 layer
Pipes up to 110mm	- 2 layers
Pipes up to 125mm	- 4 layers
Pipes up to 200mm	- 6 layers
Pipes up to 250mm	- 7 layers
Pipes up to 315mm	- 10 layers
Pipes up to 400mm	- 16 layers
Pipes up to 32mm may be bundled together and may also be mixed in the same bundle (max 107mm diam)	

Sound reduction (seal only) STC 55



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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.warringtonfire.co.nz.

Signed and approved:



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

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9/4/21

Drawn by:

K.B

Pipes	Wall thickness	Wrap	Classification	Closed Systems Only	
				Wrap	Classification
PVC-U, PVC-C and similar					
Up to 40mm diam	Up to 3.0mm			50mm x 1 layer	FRR -/240/240
Up to 110mm diam	Up to 6.6mm			50mm x 2 layers	FRR -/240/240
Up to 125mm diam	Up to 7.4mm			50mm x 4 layers	FRR -/240/240
Up to 160mm diam	Up to 9.5mm			50mm x 6 layers	FRR -/120/120
Up to 200mm diam	Up to 11.9mm			75mm x 6 layers	FRR -/180/180
Up to 315mm diam	Up to 12.1mm			75mm x 10 layers	FRR -/120/120
Up to 400mm diam	Up to 15.3mm			75mm x 16 layers	FRR -/120/120
Up to 32mm diam in bundles up to 107mm				50mm x 2 layers	FRR -/240/240
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar					
Up to 40mm diam	Up to 4.6mm			50mm x 1 layer	FRR -/240/240
Up to 110mm diam	Up to 10.0mm			50mm x 2 layers	FRR -/240/240
Up to 125mm diam	Up to 7.4mm			50mm x 4 layers	FRR -/240/240
Up to 160mm diam	Up to 9.5mm			50mm x 6 layers	FRR -/240/240
Up to 200mm diam	Up to 18.2mm			75mm x 6 layers	FRR -/180/180
Up to 315mm diam	Up to 28.6mm			75mm x 10 layers	FRR -/180/120
Up to 400mm diam	Up to 36.3mm			75mm x 16 layers	FRR -/120/120
Up to 32mm diam in bundles up to 107mm		50mm x 2 layers	FRR -/240/240		
PP, PP-MV, PP-H, PP-R and similar					
Up to 40mm diam	Up to 5.5mm			50mm x 1 layer	FRR -/240/240
Up to 110mm diam	Up to 10.0mm			50mm x 2 layers	FRR -/240/240
Up to 125mm diam	Up to 11.4mm			50mm x 4 layers	FRR -/240/240
Up to 160mm diam	Up to 14.6mm			50mm x 6 layers	FRR -/240/240
Up to 200mm diam	Up to 18.2mm			75mm x 6 layers	FRR -/180/180
Up to 32mm diam in bundles up to 107mm		50mm x 2 layers	FRR -/240/240		

System/FPA Register ID# FC571

Products	Protecta FR Pipe Wrap Protecta FR Acrylic
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Pipes up to 110mm - 2 layers

Pipes up to 125mm - 4 layers

Pipes up to 200mm - 6 layers

Pipes up to 250mm - 7 layers

Pipes up to 315mm - 10 layers

Pipes up to 400mm - 16 layers

Pipes up to 32mm may be bundled together and may also be mixed in the same bundle (max 107mm diam)

Sound reduction (seal only)

STC 55



Protecta®

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

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System/FPA Register ID# FC571

Pipes	Wall thickness	Wrap	Classification	Closed Systems Only	
				Wrap	Classification
PVC-U, PVC-C and similar					
Up to 40mm diam	Up to 3.0mm	50mm x 1 layer	FRR -/120/120	50mm x 2 layers	FRR -/120/120
Up to 110mm diam	Up to 6.6mm			50mm x 2 layers	FRR -/120/90 FRR -/120/120
Up to 125mm diam	Up to 7.4mm			50mm x 3 layers	FRR -/120/90
Up to 160mm diam	Up to 9.5mm			50mm x 6 layers	FRR -/120/90 FRR -/120/120
Up to 200mm diam	Up to 11.9mm			50mm x 6 layers	FRR -/90/90
Up to 315mm diam	Up to 12.1mm			50mm x 10 layers	FRR -/90/90
Up to 400mm diam	Up to 15.3mm			50mm x 16 layers	FRR -/90/90
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar					
Up to 40mm diam	Up to 3.7mm	50mm x 1 layer	FRR -/120/120		FRR -/120/120
Up to 110mm diam	Up to 10.0mm			50mm x 2 layers	FRR -/120/90 FRR -/120/120
Up to 125mm diam	Up to 12.0mm			50mm x 3 layers	FRR -/120/90
Up to 160mm diam	Up to 14.6mm			50mm x 6 layers	FRR -/120/90 FRR -/120/120
Up to 200mm diam	Up to 18.2mm			50mm x 6 layers	FRR -/90/90
Up to 315mm diam	Up to 18.7mm			50mm x 10 layers	FRR -/90/90
Up to 400mm diam	Up to 23.7mm			50mm x 16 layers	FRR -/90/90
PP, PP-MV, PP-H, PP-R and similar					
Up to 40mm diam	Up to 5.5mm	50mm x 1 layer	FRR -/120/120		FRR -/120/120
Up to 110mm diam	Up to 15.1mm	50mm x 2 layers	FRR -/90/90		FRR -/120/120
Up to 125mm diam	Up to 17.1mm			50mm x 3 layers	FRR -/120/90
Up to 160mm diam	Up to 21.9mm			50mm x 6 layers	FRR -/120/90 FRR -/120/120
Up to 200mm diam	Up to 18.2mm			50mm x 6 layers	FRR -/90/90
Up to 315mm diam	Up to 28.6mm			50mm x 10 layers	FRR -/60/60

Products Protecta FR Pipe Wrap
Protecta FR Acrylic

Application Fire stopping of plastic pipes in core-drilled concrete walls

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Fire & Sound Classification

Required pipe wrap layers:
 Pipes up to 40mm - 1 layer
 Pipes up to 110mm - 2 layers
 Pipes up to 125mm - 3 layers
 Pipes up to 200mm - 6 layers
 Pipes up to 250mm - 7 layers
 Pipes up to 315mm - 10 layers
 Pipes up to 400mm - 16 layers

Sound Reduction (seal only) STC 64


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System/FPA Register ID# FC571

Pipes	Wall thickness	Wrap	Classification	Closed Systems Only	
				Wrap	Classification
Rehau Raupiano Plus PP-DD and similar					
Up to 50mm diam	Up to 2.7mm	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 2.7mm			50mm x 2 layers	FRR -/120/120
Up to 125mm diam	Up to 3.9mm			50mm x 4 layers	FRR -/120/120
Up to 160mm diam	Up to 3.9mm			50mm x 6 layers	FRR -/120/120
POLO-Kai NG Poloplast PP-MV and similar					
Up to 50mm diam	Up to 3.4mm	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/120
Up to 125mm diam	Up to 3.9mm			50mm x 4 layers	FRR -/120/120
Up to 160mm diam	Up to 4.9mm			50mm x 6 layers	FRR -/120/120
Aquatherm Green SDR9 MF PP-RP and similar					
Up to 32mm diam	Up to 3.0mm			50mm x 1 layer	FRR -/120/90
Up to 50mm diam	Up to 12.3mm			50mm x 2 layers	FRR -/120/90
Up to 110mm diam	Up to 12.3mm			50mm x 2 layers	FRR -/120/90
Wavin SiTech + PP-MB and similar					
Up to 50mm diam	Up to 3.4mm	50mm x 2 layers	FRR -/120/90		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/60
Gilbert Silent PP and similar					
Up to 50mm diam	Up to 3.4m	50mm x 2 layers	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/120/120
Blue Power Multilayer pipes and similar					
Up to 50mm diam	Up to 1.8mm	50mm x 2 layers	FRR -/90/90		
Up to 110mm diam	Up to 3.4mm			50mm x 2 layers	FRR -/90/90
Up to 160mm diam	Up to 4.9mm			50mm x 6 layers	FRR -/90/90
Uponor Decibel pipes and similar					
Up to 50mm diam	Up to 2.0mm	50mm x 2 layers	FRR -/90/90		
Up to 110mm diam	Up to 3.8mm			50mm x 2 layers	FRR -/90/90

Products Protecta FR Pipe Wrap
Protecta FR Acrylic

Application Fire stopping of plastic pipes in core-drilled concrete walls

Construction Minimum wall thickness of 100mm and comprise concrete, aerated concrete or masonry, with a density of ≥ 650 kg/m³

Fire & Sound Classification

Required pipe wrap layers:

- Pipes up to 40mm - 1 layer
- Pipes up to 110mm - 2 layers
- Pipes up to 125mm - 3 layers
- Pipes up to 200mm - 6 layers
- Pipes up to 250mm - 7 layers
- Pipes up to 315mm - 10 layers
- Pipes up to 400mm - 16 layers

 Sound Reduction (seal only) STC 64


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