

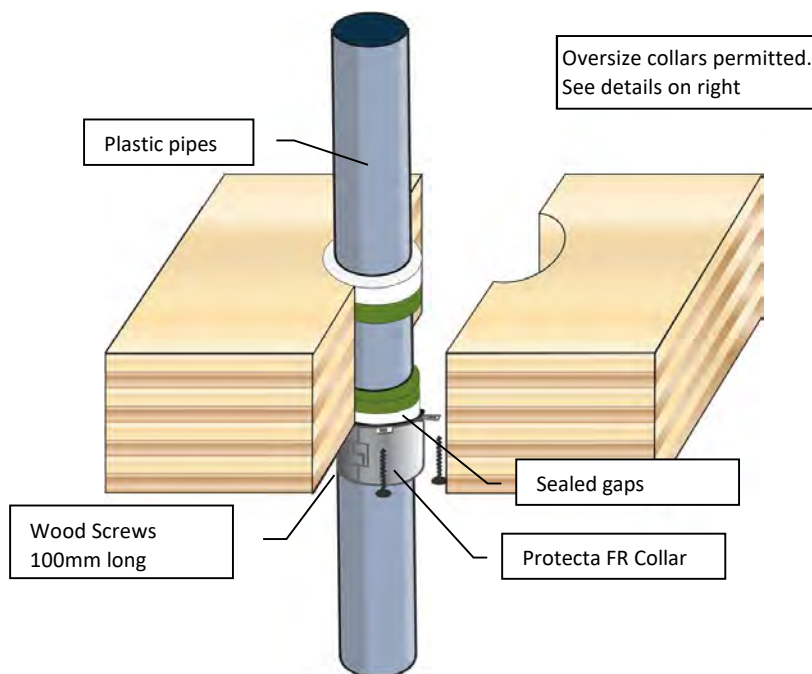
Protecta FR Collar

Plastic Pipe in 150mm CLT or Solid Timber Floor

See Pg 2 for PVC, PEX, PP, HDPE, PPR, etc
 See Pg 3 for Acoustic, Aquatherm, etc

Installation Instructions

1. A single pipe collar is installed on the underside of the floor.
2. Before fitting the pipe collar ensure that any gaps between the pipe and the floor slab are sealed top and bottom with 25mm deep Protecta® FR Acrylic on 25mm deep backing of stonewool. (Any stonewool, rockwool or mineral wool of density 33kg/m³ is acceptable). Alternatively FR Acrylic to the full depth of the stonewool may be used if more convenient.
3. Place a pipe collar around the pipe and ensure that the fixing lugs are positioned tightly to the surface of the floor so that the fixings can be inserted fully.
4. Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the floor and the pipe collar.
5. Attach the pipe collar with wood screws of length 100mm to ensure the fixings penetrate the bottom lamella thickness.
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, i.e. the internal diameter of the collar can be larger than the pipe.
7. For visual integrity gaps between pipe and collar may optionally be sealed with a thin bead of FR Acrylic sealant.



warringtonfire

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

System/FPA Register ID# FC147

Products	Protecta FR Collar
Application	Fire stopping of plastic pipes in timber floors
Construction	Minimum floor thickness of 150mm and comprise solid timber or CLT with a minimum density of 480kg/m ³

Fire, Smoke & Sound Classification

Annular Spaces:

Up to 220mm diam gap may be 10mm or greater.

Above 220mm gap must be 10mm (+or-2mm)

Over-sized collars

of any dimension approved (see pages 9 & 52), subject to:

Max angle 45°

Max FRR -/120/120

Max collar size 160mm

Max average annular space 55mm

Smoke Rating - Zero leakage up to 200 Pa

Sound reduction (seal only)

STC 62



Protecta®

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

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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

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Protecta FR Collar
Plastic Pipe in 100mm Concrete Floor
Details for PVC, PEX, PP, HDPE, PPR, etc

System/FPA Register ID# FC147

Products	Protecta FR Collar
Application	Fire stopping of plastic pipes in timber floors
Construction	Minimum floor thickness of 150mm and comprise solid timber or CLT with a minimum density of 480kg/m ³

Fire & Sound Classification
Annular Spaces:

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(see pages 9 & 52), subject to:

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Max collar size 160mm

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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	30mm	FRR -/90/60	50mm	FRR -/120/120
Up to 110mm diam	Up to 6.6mm	30mm	FRR -/60/60	50mm	FRR -/120/120
Up to 160mm diam	Up to 9.5mm			50mm	FRR -/120/90
" "	" "	60mm	FRR -/60/60	60mm	FRR -/120/120
Up to 200mm diam	Up to 11.9mm			60mm	FRR -/120/60
Up to 315mm diam	Up to 12.1mm			75mm	FRR -/60/60
Up to 400mm diam	Up to 15.3mm			100mm	FRR -/60/60
PE, PE-LD, PE-MD, PE-HD, PE-X, ABS, SAN+PVC and similar					
Up to 50mm diam	Up to 4.6mm	30mm	FRR -/60/60	50mm	FRR -/240/240
" "	Up to 3.0mm	50mm	FRR -/240/240		
Up to 110mm diam	Up to 10.0mm			30mm	FRR -/60/60
" "	" "	50mm	FRR -/60/60	50mm	FRR -/120/120
Up to 160mm diam	Up to 14.6mm	60mm	FRR -/60/60	50mm	FRR -/120/120
Up to 200mm diam	Up to 18.2mm			60mm	FRR -/240/120
Up to 315mm diam	Up to 18.7mm			75mm	FRR -/240/240
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 -/120/120		
Up to 110mm diam	Up to 6.6mm	50mm	FRR -/60/60	30mm	FRR -/120/120
" "	Up to 10.1mm			50mm	FRR -/60/60
Up to 160mm diam	Up to 14.6mm	60mm	FRR -/60/60	60mm	FRR -/120/120
Up to 200mm diam	Up to 18.2mm			60mm	FRR -/120/120
Up to 315mm diam	Up to 22.7mm			75mm	FRR -/60/60
Up to 400mm diam	Up to 22.7mm			100mm	FRR -/30/30

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Protecta FR Collar

Plastic Pipe in 100mm Concrete Floor

Details for Acoustic, Aquatherm, etc

Closed Systems Only

Services	Wall thickness	Collar Height	Classification	Collar Height	Classification
Rehau Raupiano Plus PP-DD and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/240/240		
Up to 110mm diam	Up to 2.7mm		FRR -/120/120		
Up to 125mm diam	Up to 3.1mm	60mm	FRR -/180/180		
Up to 160mm diam	Up to 3.9mm			60mm	FRR -/240/240
POLO-Kai NG Poloplast PP-MV and similar					
Up to 50mm diam	Up to 2.0mm	50mm	FRR -/240/240		
Up to 110mm diam	Up to 3.4mm		FRR -/180/180		
Up to 125mm diam	Up to 3.9mm			60mm	FRR -/120/120
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/120/120		
Aquatherm Green SDR9 MF PP-RP and similar					
Up to 32mm diam	Up to 5.6mm			30mm	FRR -/240/240
Up to 50mm diam	Up to 5.6mm			50mm	FRR -/240/240
Up to 110mm diam	Up to 12.3mm			50mm	FRR -/120/120
Wavin SiTech + PP-MB and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/240/240		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/180/180		
Gilbert Silent PP and similar					
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/240/240		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/180/180		
Blue Power Multilayer TR02-PP and similar					
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/180/180		
Up to 125mm diam	Up to 4.9mm	60mm	FRR -/180/180		
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/240/240		
Uponor Decibel and similar					
Up to 50mm diam	Up to 2.0mm	50mm	FRR -/180/180		
Up to 110mm diam	Up to 3.8mm	50mm	FRR -/120/120		

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