warringtonfire FIRESTOP CENTRE Protecta FR Collar - Reinforced PP Low-noise or PP-R, PP-RP Pipes in 100mm Plasterboard Walls FAS 190125 Pages 22, 35, 9 INNOVATIVE FIRESTOP SOLUTIONS AS1530.4-2014 AS4072.1-2005 Authorised New Zealand Distributor See pg2 for Aquatherm, Geberit, Wavin, Uponer, etc Ph (09) 483 4000 www.firestopcentre.co.nz System/FPA Register ID# FC432 Products Protecta FR Collar Installation Instructions Protecta FR Acrylic 1. For sealing plastic pipes, a pipe collar is installed on Application Fire stopping of composite both sides of the wall. plastic pipes in flexible walls. 2. Before fitting the pipe collar ensure that any gaps Sealed gaps Gypsum or wood Minimum wall thickness of Construction between the pipe and the separating element are screws, or anchors 100mm* and comprise steel sealed. Gaps between the pipe and the construction of steel studs or timber studs lined on below 8mm must have a bead of Protecta FR Acrylic both faces with minimum 2 to cover the opening, and for gaps 8mm or above, layers of 12.5mm thick board. Composite plastic pipes the seal must be plugged with FR Acrylic to the Fire & Sound classification depth of the plasterboard. 3. Place a pipe collar around the service penetration Fire classifications in table on page 2. (pipe) and ensure that the fixing lugs are positioned *The wall thickness can be reduced (to allow tightly to the surface of the wall so that the for single layer wall systems) but the local anchors/fixings can be inserted fully. Over-sized collars of any thickness of the aperture must be built up to a 4. Where the surface is uneven, apply a sealing bead of dimension approved, Protecta FR Collar minimum thickness of 100mm by installing Protecta[®] FR Acrylic between the wall and the pipe subject to: additional layers of 13mm fire rated collar. Max angle 45° plasterboard around the opening (min 100mm 5. Attach the pipe collar with steel screws, anchors or Max FRR -/120/120 x 100mm from edge of the aperture). fixings that are suitable for the number of boards Max collar size 160mm that form the wall. ZERO smoke leakage up to 200Pa with 10mm 6. On sites where the penetration size is greater FR Acrylic Types of Pipes than the pipe diameter and/or the pipe is on an Sound reduction (seal only) STC 58 angle an oversized collar can be used. Protecta® 1. Acoustic or Low-Noise mineral reinforced PP water discharge pipes. FR Collars are tested 'oversize'. i.e. the internal Tested on all major brands:diameter of the collar can be larger than the pipe. Wavin SiTech+PP-MB Geberit Silent PP Polo-Kai NG Poloplast PP-MV Rehau Raupiano Plus PP-DD ETA C C warringtonfire BluePower Multilaver TR02-PP Protecta 2. Potable domestic water piping made of reinforced PP-R or PP-RP FAS 190125 AS1530.4-2014 AS4072.1-2005 Aguatherm Green SDR9 MF PP-RP ETA 21/0070 Polyseam Ltd. 15 St Andrews Road. For all technical details on the products specified Huddersfield, West Yorkshire, HD1 6SB As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change please refer to the technical data sheets that can product specifications without giving notice. All information contained in this document is given in good faith and is be found on www.firestopcentre.co.nz Drawn date & no: Sheet size: provided for guidance only. Any drawings provided are for illustrative purposes only. As Polyseam has no control over Signed and approved: 28/7/21 A4 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 Scale: Drawn by: whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

NTS

K.B

IRESTOP CENTRE INNOVATIVE FIRESTOP SOLUTIONS

Authorised New Zealand Distributor Ph (09) 483 4000 www.firestopcentre.co.nz

Protecta FR Collar - Reinforced PP Low-noise or PP-R, PP-RP Pipes in Plasterboard Walls

warringtonfire

FAS 190125 Pages 22, 35, 9 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC432

Protecta FR Collar Protecta FR Acrylic

Products

NTS

Ph (09) 483 4000 WWW.firestopcentre.co.nz			Closed Systems Only		
Services	Pipe Wall	Collar Height	Classification	Collar Height	Classification
Rehau Raupiano Plus	PP-DD and similar				
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/90		
Up to 110mm diam	Up to 2.7mm	50mm	FRR -/120/60		
Up to 125mm diam	Up to 3.1mm	60mm	FRR -/120/120		
Up to 160mm diam	Up to 3.9mm	60mm	FRR -/120/120		
Polo-Kai NG Poloplast	PP-MV and similar				
Up to 50mm diam	Up to 2.0mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/90		
Up to 125mm diam	Up to 3.9mm	60mm	FRR -/120/-	60mm	FRR -/120/120
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/120/120		
Aquatherm Green SDF	R9 MF PP-RP and similar				
Up to 32mm diam	Up to 5.6mm			30mm	FRR -/120/120
Up to 50mm diam	Up to 5.6mm			50mm	FRR -/120/120
Up to 110mm diam	Up to 12.3mm			50mm	FRR -/120/60
Wavin SiTech + PP-ME	3 and similar				
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Gilbert Silent PP and s	similar				
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/120		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Blue Power Multilaye	r TR02-PP and similar				
Up to 50mm diam	Up to 1.8mm	50mm	FRR -/120/90		
Up to 110mm diam	Up to 3.4mm	50mm	FRR -/120/60		
Up to 125mm diam	Up to 3.8mm	60mm	FRR -/60/60		
Up to 160mm diam	Up to 4.9mm	60mm	FRR -/90/90		
Uponor Decibel and s	imilar				
Up to 110mm diam	Up to 3.8mm	50mm	FRR -/120/60		

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:

••	Fire stopping of composite plastic pipes in flexible walls					
	Minimum wall thickness of 100mm* and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 12.5mm 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).						
ZERO smoke leakage up to 200Pa with 10mm FR Acrylic						
Sound reduction (seal only) STC						
Protecta						
Polyseam Ltd, 15 St Andrews Road, Huddersfield, West Yorkshire, HD1 6SB						
Sheet size:	: Drawn date & no:					
A4	28/7/21					
Scale:	Drawn by:					

K.B