MIXED SERVICE APERTURE - FR BOARD - CONCRETE WALL

Installation Instructions

- Before installing Protecta[®] FR Board ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
- Protecta[®] FR Coating and Protecta[®] FR Acrylic are water based, so in cases where corrosion protection is a problem, some metals may require a barrier between the seal and the surface prior to this installation.
- 3. The boards should be flush with the surface of the construction on both sides to maximize the fire resistance.
- 4. Cut the required board(s) to suit the aperture dimensions and type and size of service penetration(s). All exposed and cut edges of the board can be sealed with Protecta® FR Coating or Protecta® FR Acrylic prior to fitting which will act as an adhesive and ensure a smoke tight seal.
- All joints, gaps or imperfections in the installed seal must be filled with Protecta[®] FR Acrylic on both sides.
- Protecta[®] FR Board can be over-painted with most emulsion or alkyd (gloss) paints.



Minimum separations and limitations



An aperture can include several services, and they may also be different. Services within the system Protecta® FR Board seal do not require a minimum separation, except pipes where pipe insulation penetrates the seal and plastic pipe penetrations which should be a minimum of 30 mm from other services in the aperture. Services should be a minimum of 25mm from seal edges. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The minimum permitted separation between adjacent apertures is 200mm.

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 http://www.protecta.eu

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	For Fire Classifications refer to		
	relevant systems in this website		
	Products	Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wran	
	Construction	Minimum wall thickness of 100	
		mm and comprise concrete.	
		aerated concrete or masonry.	
	, v	with a density of $\geq 650 \text{ kg/m}^3$	
Services			
	1. Cables $\leq \emptyset$ 80mm single or bundled, wires		
	185mm ² and steel or PVC conduits $\leq Ø16$ mm,		
	with or without cable trays		
	2. Steel pipes $\leq 0/22$ mm without insulation 2. Steel pipes $\leq 0/165$ mm with 12. 32 mm thick		
	3. Steel pipes ≤ 0.105 mm with 13 - 32 mm thick		
	4 Steel nines $< 0/324$ mm with 32 - 50 mm thick		
	continuous foam insulation and 3 layers wrap		
	5 Steel nines $< 0/324$ mm with 20-80 mm thick		
	continuous stone wool insulation		
	6. Steel pipes $\leq \emptyset$	219mm with \geq 20mm thick	
	interrupted stone wool insulation		
	7. Copper pipes $\leq \emptyset$ 6mm without insulation		
	 Copper pipes ≤ 	Ø54mm with 9 - 25mm thick	
`	continuous foam insulation and 2 layers wrap		
	9. Copper pipes $\leq \emptyset$ 54mm with \geq 20mm thick		
	interrupted stone wool insulation		
	10. Alupex pipes $\leq 0/20$ mm without insulation		
	11. Aupex pipes $\leq \emptyset$ / 5mm with 9 - 25mm thick		
	12 Alupex pipes < $\sqrt{75}$ mm with > 20mm thick		
	 12. Alupex pipes ≤ Ø/5mm with ≥ 20mm thick interrupted stone wool insulation 13. PEX pipe-in-pipes ≤ Ø25mm 14. Plastic pipes ≤ Ø32mm without pipe wrap 		
m			
er	15. Plastic pipes $\leq \emptyset$ 40mm with 1 layer of wrap		
nt	16.Plastic pipes Ø41 - Ø110mm with 2 layers of		
	pipe wrap		
	17. Plastic pipes Ø111 - Ø125mm with 3 layers of		
ified	pipe wrap		
can	18.Plastic pipes Ø126 - Ø160mm with 4 layers of		
20	pipe wrap		
eid,	Carla		
	scale:	Drawn by & date:	

NTS

K.B. 16/1/21