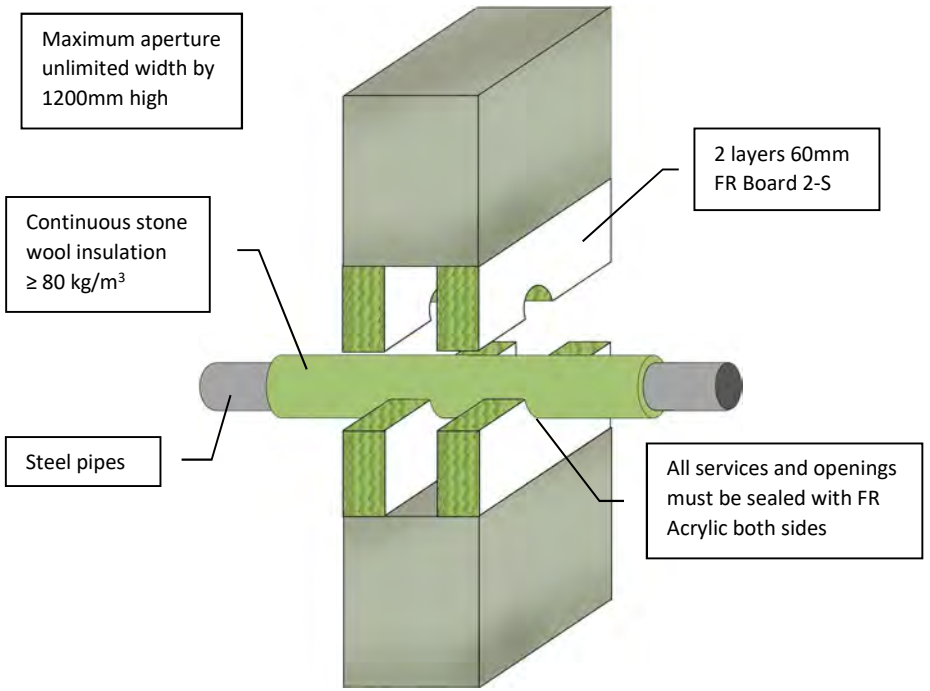
Installation Instructions

1. 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.
2. The boards should be flush with the surface of the construction on both sides to maximize the fire resistance. If this is not possible, there should be an air gap of at least 30mm between the boards.
3. 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.
4. All joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
5. 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. The minimum permitted separation between adjacent seals/apertures is 100mm. Services should be a minimum of 25mm from seal edges. Services within the system Protecta® FR Board seal do not require a minimum separation, except where Protecta® FR Pipe Wraps are used, which should be a minimum of 30 mm from other services in the aperture. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area.

ETA 21/0047

Client:

Job Title:

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of insulated steel pipes in rigid walls
Construction	Minimum wall thickness of 150 mm and comprise concrete, aerated concrete or masonry, with a density of ≥ 650 kg/m³

Fire & Sound classification

Steel pipes ≤ Ø40mm with 20mm continuous stone wool insulation
EI 180 C/U & E 240

Steel pipes ≤ Ø324mm with 30 - 80mm continuous stone wool insulation
EI 180 C/U & E 240

Sound reduction (seal only)
52 dB

Protecta®

Polyseam Ltd, 15 St Andrews Road, Huddersfield, West Yorkshire, HD1 6SB
Tel: +44 (0) 148 4421036
Email: post.uk@polyseam.com

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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.protecta.eu

Signed and approved:

Sheet size: **A4**	Drawn date & no: 6/3/21
Scale: **NTS**	Drawn by: K.B