

## Protecta FR Acrylic - Steel Beam through Plasterboard or Concrete Wall

### Installation Instructions

1. Before installing Protecta® FR Acrylic ensure that the surface of all surrounding construction is free from all loose contaminants, dust and grease.
2. Where Protecta® FR Acrylic is to be installed against surfaces that cannot tolerate direct contact; appropriate surface preparation should be made (contact Polyseam for guidance in these cases). For paints sensitive to sealing compounds, priming with a PVA primer is recommended.
3. When installing the sealant in gypsum boards, the exposed edges of the board can be wetted with water, or Protecta® FR Acrylic diluted with water to prime the surfaces helping adhesion and preventing excessive joint shrinkage.
4. When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved.
5. Fill the gap or joint with Protecta® FR Acrylic to the required depth.
6. Apply the sealant generously to prevent air bubbles. Finish the bead with a moist spatula, pallet knife or brush.
7. Protecta® FR Acrylic can be over-painted with most emulsion or alkyd (gloss) paints.



**Note:** Only to be used where maximum annular gap is 30mm.  
For all other situations use FC783 (beams) or FC743 (purlins)

System ID# FC551

<b>Products</b>	Protecta FR Acrylic Stone wool
<b>Application</b>	Fire rated linear seals in flexible walls
<b>Construction</b>	Minimum wall thickness of 100 mm and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.

### Fire & Sound classification

12.5mm Acrylic plus 12.5mm stone wool 35kg/m<sup>3</sup> both sides (or 25mm Acrylic both sides) with or without head track. Max gap 30mm.  
FRR -/120/60

NB: Thermal Rating determined by the rating of the steel substrate. Where the steel has a lower rating than 60 minutes, then the FRR must be reduced accordingly.

Sound reduction (seal only) STC 62