



## GENERAL PRODUCT DESCRIPTION

Protecta® FR ASF is designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors, particularly linear joints, either vertical or horizontal. Protecta® FR ASF should be applied over suitable backing materials to ensure correct width to depth ratio and to reduce shrinkage of the joint during hardening. In areas with a high degree of humidity and/or in joints with excessive movement, use Protecta® FR IPT.

## AS1530.4 NZ FIRE CLASSIFICATION

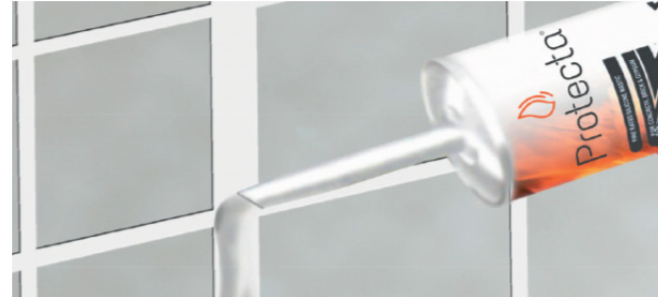
Joint type Vertical or Horizontal	Min seal depth, max seal width and backing material	Classification
<b>PLASTERBOARD WALL CONSTRUCTIONS 90MM to 130MM</b>		
Open joint or deflection head, single layer 10mm or 13mm	9mm deep, 30mm wide ASF to both sides backed with 20mm stone wool insulation or head or base track/stud	FRR -/60/60
Open joint or deflection head, single layer 16mm	9mm deep, 30mm wide ASF to both sides backed with 20mm stone wool insulation or head or base track/stud	FRR -/90/90
Open joint or deflection head, single layer 16mm or any double layer	15mm deep, 30mm wide ASF to both sides backed with 15mm stone wool insulation or head or base track/stud	FRR -/90/90
Open joint, double layer 13mm or 16mm	15mm deep, 30mm wide ASF to both sides backed with PE rod or cardboard	FRR -/90/60
Open joint or deflection head, double layer 13mm or 16mm	20mm deep, 30mm wide ASF to both sides backed with PE rod or head or base track/stud	FRR -/120/120
Open joint or deflection head, any wall 130mm or greater	15mm deep, 30mm wide ASF to both sides backed with 15mm stone wool insulation or head or base track/stud	FRR -/120/120
Open joint, any wall 130mm or greater	15mm deep, 30mm wide ASF to both sides backed with PE rod or cardboard	FRR -/120/90
Open joint, any wall 130mm or greater	30mm deep, 30mm wide ASF to both sides backed with PE rod or cardboard	FRR -/120/120
<b>RIGID WALL CONSTRUCTIONS FROM 100MM</b>		
Open joint	20mm deep, 30mm wide ASF to both sides backed with PE rod	FRR -/120/120
<b>RIGID FLOOR CONSTRUCTIONS FROM 64MM to 150MM</b>		
Control joint or joint between floor and concrete wall	25mm deep, 100mm wide ASF to the top face backed with 25mm stone wool insulation	FRR -/90/90 to FRR -/120/120

**Supporting construction:** Plasterboard walls may be single or double layer provided there is sufficient depth for sealant. Cavity does not have to be insulated. Studs may be steel or timber. Rigid walls and floors must comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m<sup>3</sup>.

## TEST STANDARD AS1530.4: 2014

This Installation Instruction is based on the product's assessment to AS 1530.4 2005/14 and AS 4072.1:2005 by UL International (UK) Ltd Report NC14413 dated 12 Jan 2017.

## TYPICAL DETAIL



## INSTALLATION

- Before installing Protecta® FR ASF ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
- Where Protecta® FR ASF is to be installed against surfaces that cannot tolerate direct contact, appropriate surface preparation should be taken (contact Polyseam for guidance in these cases). For paints sensitive to sealing compounds, priming with a PVA primer is recommended.
- As Protecta® FR ASF is water based, in cases where corrosion protection is a problem, some metals may require a barrier between the sealant and the metal surface prior to this installation.
- When installing the sealant in gypsum boards, the exposed edges of the board can be wetted with water, or Protecta® FR ASF diluted with water to prime the surfaces helping adhesion and preventing excessive joint shrinkage.
- When installing Protecta® FR ASF in hollow floor slabs or boards, fire seals specified as single sided should be installed from the soffit side of the floor assuming there is sufficient thickness of concrete below the void to follow the installation guide. Where this is not the case, tubular voids should be filled with stone wool normally the same thickness as the depth of the floor slab. Alternatively, simply fire seal on both sides.
- Make sure that the gap to be sealed is wide enough to accommodate the correct backing material where specified. In practice, this should not be less than 10mm.
- When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved.
- Fill the gap or joint with Protecta® FR ASF to the required depth. Refer to the tables on the left for guidance on joint design/dimensions. If installation does not have to meet any specific fire specification, it is recommended that a width to depth ratio of 2:1 is utilized, with a minimum depth of 12mm of sealant.
- Apply the sealant generously to prevent air bubbles. Finish the bead with a moist spatula, pallet knife or brush.
- Protecta® FR ASF can be overpainted with most emulsion or alkyd (gloss) paints.
- When fire sealing shaft walls consisting of gypsum only on one side, subject to authority approval, install Protecta® FR ASF on the exposed side following the instructions for gypsum wall installation. The sealant should be facing the (fire) exposed side.