PROTECTA® FR ASF
INSTALLATION INSTRUCTIONS

Protecta®

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

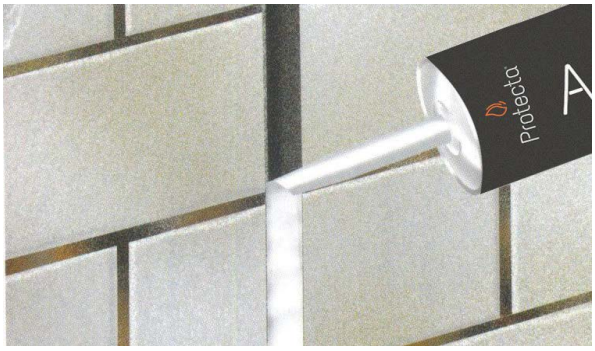
Joint type Vertical or Horizontal	Min seal depth and backing material	Classification
PLASTERBOARD WALLS, Joint width up to 30mm		
Open joint or deflection head, any single layer (inc 10mm) or double layer system	9mm deep ASF to both sides backed with 20mm stone wool insulation or head or base track/stud	FRR of the wall up to FRR -/90/90
Open joint or deflection head, any system with board greater than 15mm thick	15mm deep ASF to both sides backed with 15mm stone wool insulation or head or base track/stud	FRR of the wall up to FRR -/120/120
Open joint, any system with board greater than 15mm thick	15mm deep ASF to both sides backed with PE rod	FRR of the wall up to FRR -/120/90
Open joint, any system with board greater than 20mm thick	20mm deep ASF to both sides backed with PE rod	FRR of the wall up to FRR -/120/120
Open joint, any system with board greater than 30mm thick	30mm deep ASF to both sides backed with cardboard	FRR of the wall up to FRR -/120/120
RIGID WALLS, Joint width up to 30mm		
Open joint or deflection head, wall at least 90mm thick	9mm deep ASF to both sides backed with 20mm stone wool insulation	FRR of the wall up to FRR -/60/60
Open joint or deflection head, wall at least 100mm thick	9mm deep ASF to both sides backed with 20mm stone wool insulation	FRR of the wall up to FRR -/90/90
Open joint or deflection head, wall at least 100mm thick	20mm deep ASF to both sides backed with PE rod	FRR of the wall up to FRR -/120/120
RIGID FLOORS, Joint width up to 100mm		
Control joint or joint between floor and concrete wall	25mm deep ASF to the top face backed with 25mm stone wool insulation	FRR -/90/90 Floor min 64mm
		FRR -/120/120 Floor min 150mm

Supporting construction:
Plasterboard walls may be single or double layer provided the overall thickness of the plasterboard is at least as great as the sealant depth (for adhesion).
Thinner wall constructions of lesser rating are permitted provided the seal depth is not reduced (air cavity may be reduced).
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^3.

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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. Make sure that the gap to be sealed is wide enough to accomodate the correct backing material where specified. In practice, this should not be less than 10mm.
7. When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved.
8. 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.
9. Apply the sealant generously to prevent air bubbles. Finish the bead with a moist spatula, pallet knife or brush.
10. Protecta® FR ASF can be overpainted with most emulsion or alkyd (gloss) paints.
11. 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.

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