

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, specifically linear joints and openings for building service penetrations.

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.

Protecta® FR ASF is a 4 hour rated intumescent sealant formulated with fillers that provide noise reduction.

Protecta® FR ASF cures when it is subjected to atmospheric conditions, however it will retain a small degree of elasticity for joint movement. Under fire exposure, Protecta® FR ASF creates a robust fire seal by the formation of a durable intumescent char.

GENERAL GUIDE

Minimum separations and limitations: Services can be sealed as specified in the detailed drawings. Minimum separation between services and the edge of the seal within each aperture should be 10 mm to allow for correct fitting of backing and seal depth. Minimum separation between apertures should be at least 30 mm.

For larger joint dimensions or apertures other than described in the detailed drawings, Protecta® FR Board or EX Mortar should be used. In areas with a high degree of humidity and/or in joints with excessive movement, Protecta® FR IPT should be used.

Supporting constructions: Flexible walls must have a minimum 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. Rigid walls must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 350 kg/m³. Rigid floors must have a minimum thickness of 150 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³. The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

*) Timber studs: no part of the penetration seal may be closer than 100 mm to a stud, and minimum 100 mm of insulation of class A1 or A2 according to EN 13501-1 must be provided within the cavity between the penetration seal and the stud.

TEST STANDARDS

This Technical Data Sheet and the Installation Instructions are based on the product's European Technical Assessment issued in accordance with regulation (EU) No 305/2011 on the basis of EAD 350454-00-1104, September 2017, tested to EN 1366-3 & -4 in conjunction with EN 1363-1. The product holds the following approval marks; CE-mark for Europe, UL-EU Certificate Internationally, UAE Certificate of Compliance & AS assessment for Australia and New Zealand.



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 made (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 any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved.
6. Fill the gap or joint with Protecta® FR ASF to the required depth. Refer to the drawings on following pages 2 to 6 for guidance on joint design/dimensions. For linear seals without services, please refer to the Technical Data Sheet on page 2. 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.
7. Apply the sealant generously to prevent air bubbles. Finish the bead with a moist spatula, pallet knife or brush.
8. Protecta® FR ASF can be over-painted with most emulsion or alkyd (gloss) paints.









