FR ASF
TECHNICAL DATA SHEET

iPASSIVE
INNOVATIVE / FIRE / SOLUTIONS

PRODUCT DESCRIPTION

iPASSIVE FR ASF is a one part intumescent sealant that is designed to prevent the spread of fire, smoke and hot gasses through openings in fire rated walls and floors. Specifically designed for linear joints and openings for building services penetrations.

iPASSIVE FR ASF is acrylic based which results in a firm but flexible seal. In areas of high humidity and/or in joints with excessive movement use iPASSIVE FR IPT.

In order to obtain maximum performance and the correct seal depth to width ratio, the use of backing material is strongly recommended.

TECHNICAL INFORMATION

Condition	Ready to use thixotropic paste
Specific gravity	1.60 - 1.64
Flash point	None
Non-sticky	Max. 60 minutes
Film forming	Max. 20 minutes
Flexibility	12.5%
Storage	12 months stored in unopened cartridges.
To be stored in temperatures between 5˚C and 30˚C	1.4 kg/m2 per mm thickness
Compatibility	Suitable for use with most building materials
	Less than 2 minutes
Limitations	Should not be used in permanently damp areas or in joints
with high movement	Store in temperatures between 5˚C and 30˚C
Classification	Sealant for fire rated control & linear joints up to -/120/120
Standard colours	White
Packaging	Box containing 25 cartridges each 310 ml Box containing 12 foil packed each 600 ml Pallets 310 ml: 64 boxes per pallet equals 1600 pcs Pallets 600 ml: 91 boxes per pallet equals 1092 pcs

FEATURES

- Fire rated in both horizontal and vertical joints
- No priming required for most construction substrates
- Excellent adhesion to most common building substrates
- Joint movement capability of 12.5%
- For use in joints up to 100 mm wide
- Fast cure - tack free within an hour
- Halogen free
- Paintable
- 12 months shelf life
- Excellent slump resistance
- Reduces sound transmission in joints

SOUND INSULATION

Description	Sound reduction
Double sided seal ≥12mm depth	> 40 dB

iPASSIVE FR ASF has been tested at Sound Research Laboratories to determine the sound reduction index of a plasterboard partition sealed with sealant in accordance with BS EN ISO 140-3:1995.

EMISSION INFORMATION

Compound	Emission rate after
4 weeks	1.60 - 1.64
TVOC	< 5 µg/m³
TSVOC	< 5 µg/m³
Formaldehyde	< 3 µg/m³
Ammonia	< 3 µg/m³
Carcinogenic	< 1 µg/m³

iPASSIVE FR ASF complies with the requirements of the M1 Protocol for Chemical and Sensory

Testing of Building Materials as published by RTS. (version 22.1.2015).

Tested by Eurofins Product testing.

TESTED STANDARD

Tested and assessed in accordance with AS 1530.4 and AS 4072.1.

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FIRE RESISTANCE RATINGS

Construction	Minimum Thickness	Seal Orientation	Seal Position	Minimum Seal Depth	Backing Material	Maximum Joint Width	FRR
Flexible/ Rigid Walls	90mm	Horizontal/Vertical	Both sides	9mm	20mm Stone wool 35kg/m³	30mm	-/60/60
	96mm			15mm	15mm Stone wool 35kg/m³		-/90/90
				15mm	PEF rod / any backing		-/90/60
	100mm			9mm	20mm Stone wool 35kg/m³		-/90/90
				20mm	PEF rod		-/120/120
	130mm			15mm	15mm Stone wool 35kg/m³		-/120/120
				30mm	PEF rod / any backing		-/120/120
				15mm			-/120/90
Flexible walls	90mm	Horizontal/Vertical	Both sides	9mm	Head or base track/ stud	30mm	-/60/60
	96mm			15mm			-/90/90
	100mm			9mm			-/90/90
				20mm			-/120/120
	130mm			15mm			-/120/120
Rigid Floors	64mm	Horizontal	Top	25mm	25mm Stone wool 35kg/m³	100mm	-/120/120
	150mm						-/90/90

SUPPORTING CONSTRUCTION:

Flexible walls with 100mm min thickness must have minimum 2 layers of 12.5 mm thick Type F gypsum board on both sides of 50mm deep steel studs.

Flexible walls with 130mm min must have minimum 2 layers of 15 mm thick Type F gypsum board on both sides of 70mm deep steel studs, with no cavity insulation.

Rigid walls and floors must comprise of concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.