

Fire Rated IBS Foam

PRODUCT DESCRIPTION

PROMASEAL® IBS™ is a fire-resistant, flexible foam strip designed for sealing joints and service penetrations in walls, floors, and ceilings. When correctly installed, it maintains the fire resistance level (FRL) of the separating element.

This factory-made product ensures consistent quality and can be easily inspected on-site for correct installation. PROMASEAL® IBS™ is commonly used instead of fire-rated sealants where there are concerns about proper sealant application depth or type. It is suitable for use with external wall joints when combined with an appropriate exterior-grade sealant.



FEATURES & BENEFITS

- Tested in accordance with AS 1530.4:2014 and AS 4072.1:2005 (R2016)
- FRL up to -/240/240, depending on application and substrate
- Maintains integrity of penetrations even with pipe expansion or contraction
- Quick and reliable installation – compresses ~20% on application for secure fit
- Factory-made for consistent performance and quality assurance
- Non-flammable and low hazard (not classified as dangerous goods)

APPLICATIONS

- Control joints in concrete and masonry walls
- Control joints in concrete floors
- Service penetrations for metal pipes (steel or copper Ø32 mm – Ø150 mm)
- Joints in lightweight partitions and plasterboard walls
- Applications in composite columns
- External wall joints (with exterior-grade sealant)

Not recommended for joints requiring high or continuous movement.

TECHNICAL SPECIFICATIONS

Standards & Compliance

- **AS 1530.4:2014** – Fire test methods for building materials
- **AS 4072.1:2005 (R2016)** – Protection of openings in fire-resistant elements
- **NCC 2022** – Evidence of suitability under A5G3 and S1C2 provisions
- Fire assessment report Warringtonfire FAS190389 (valid until 31 May 2028)

Limitations

- Not suitable for joints subject to high or continuous movement.
- Must be installed as part of tested systems for FRL compliance.
- Performance depends on correct sizing and placement.

TECHNICAL SPECIFICATIONS

Fire Performance

Up to -/120/120 FRL depending on configuration, penetration, and sealant use.

Table: Joints in Concrete Walls (per AS 4072.1:2005)

Configuration	Max. Joint Width (mm)	Nominal IBS™ Dimension (mm)	Min. Depth of Non-FR Sealant (mm)	Max. Fire Resistance
System to non fire side only	18	22	9	-/240/120
	30	38	12	-/240/120
	35	38	12	-/240/120
	54	80	20	-/180/120
	65	80	20	-/180/120
System to fire side	18	22	15	-/180/60
	30	40	15	-/180/60
	35	40	15	-/180/60
	54	80	20	-/180/60
	65	80	20	-/180/60
System to mid depth	18	18	N/A	-/60/45

Notes:

- A = Up to a depth of 40 mm
- B = Up to a depth of 40 mm
- C = Up to a depth of 50 mm
- D = Concrete wall must be designed per AS 3600:2018 or tested for required FRL

Health & Safety

- **Classification:** Not hazardous (SWA) and not dangerous goods for transport
- **PPE:** Wear gloves, coveralls, safety glasses, and P1 respirator if cutting or sanding.
- **First Aid:**
 - Eyes: Rinse with clean water for at least 15 minutes.
 - Skin: Wash thoroughly with water.
 - Inhalation: Move to fresh air and seek advice if irritation persists.
- **Fire Fighting:** Non-flammable, but may emit toxic fumes if heated.
- **Disposal:** Off-cuts can be disposed of in general landfill. Do not burn.

Physical & Chemical Properties

- **Appearance:** Green, flexible foam strip
- **Odour:** Odourless
- **Flammability:** Non-flammable
- **Water Solubility:** Insoluble
- **VOC Content:** 0 g/L
- **Stability:** Stable under normal storage and use

Standards & Compliance

- **Compression fit:** PROMASEAL® IBS™ should be compressed by ~20% when inserted into a joint or gap.
- **Sealant use:** In most cases, a fire-rated acrylic sealant is required; in some instances, a non-fire-rated sealant may be permitted.
- **Butt joints:** Apply a 50 mm overlapping IBS™ strip or a 5 mm depth of sealant across the joint.
- **Intermediate widths:** Use the next size up if the joint falls between listed dimensions.
- **Uneven joints:** For irregular masonry joints, select the strip that fits the widest section and apply a sealant over the top to prevent through-gaps.
- **Pipe penetrations:**
 - For steel/copper pipes up to Ø150 mm in concrete floors: FRL up to -/180/180.
 - For pipes with mortar backfill: FRL up to -/240/120. Wrap IBS™ around the pipe before applying mortar.
 - For pipes in 60-minute fire-rated ceilings (plasterboard): FRL up to -/60/60. Install flat IBS™ around the pipe, finishing flush with ceiling surface, and apply sealant.

PACKAGING & AVAILABILITY

SKU	Product Description	Size / Roll Length
113873	Foam Strip Promaseal IBS	22mm × 100m Roll
118451	Foam Strip Promaseal IBS	29mm × 60m Roll
118452	Foam Strip Promaseal IBS	38mm × 30m Roll
118706	Foam Strip Promaseal IBS	16mm × 150m Roll
120400	Foam Strip Promaseal IBS	50mm × 20mm × 50m
121605	Foam Strip Promaseal IBS	100mm × 10mm × 50m