

PRODUCT DESCRIPTION

PROMASEAL® FyreStrip is a highly compressible, flexible, fire-resistant expansion strip seal used for movement joints in building structures. It is manufactured from layers of PROMASEAL® Grafitex intumescent material bonded to a special foam. Designed to maintain compartment integrity, FyreStrip has been successfully tested for up to 240 minutes fire resistance in concrete and masonry floors and walls, in accordance with AS 1530.4:2014.



FEATURES & BENEFITS

- Tested fire performance: up to 240 minutes fire resistance (AS 1530.4:2014)
- High compressibility: accommodates joint movement without loss of seal
- Non-loadbearing design: must be protected if installed in trafficable areas
- Versatile installation: can be cut to length and fitted in a range of joint widths
- Durability: resistant to mildew, mould, and environmental exposure when installed correctly

APPLICATIONS

- Concrete/masonry floors and walls (up to -/240/240 depending on configuration).
- Joints between compartment walls and floors.
- Interfaces between existing and new building sections.
- Floor slab joints subject to vehicular movement where flexibility is required.
- Lightweight partition systems (where tested), up to -/120/120 for joints ≤ 50 mm.

Contact Danterr for system-specific guidance and evidence.

PACKAGING & AVAILABILITY

Product Code	Description
114761	PROMASEAL FyreStrip 1000mm x 120mm x 124mm
114866	PROMASEAL FyreStrip 1000mm x 90mm x 28mm
114908	PROMASEAL FyreStrip 1000mm x 90mm x 46mm
116910	PROMASEAL FyreStrip 1000mm x 90mm x 56mm
116996	PROMASEAL FyreStrip 1000mm x 100mm x 84mm

TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES

Property	Specification
Fire Resistance	Up to 240 min (AS 1530.4:2014)
Expansion Temperature	~185 °C
Expansion Ratio (550 °C)	1:9
VOC Content	0 g/L
Colour	Dark Grey
Odour	Odourless
Availability	Supplied in 1000 mm lengths

APPLICATION INSTRUCTIONS

PREPARATION

- Ensure joints are clean, dry, and free of debris.
- Confirm the selected strip size suits the expected minimum/maximum joint width and required FRL.

INSERTION

- Orient the Grafitex layer parallel to the movement direction.
- Compress the strip by hand and progressively push along the joint.
- For tight fits, use a timber block with a mallet to tap into place (avoid damaging the strip).
- Butt additional lengths tightly—no gaps—and ensure the strip is tight to the joint ends.
- Cavity/hollow block walls: Seal at least one course, or cap the wall before installing the strip.
- Cold conditions: Pre-warm strips to improve compressibility.
- Trafficable areas: Fit a suitable cover plate that accommodates movement (non-load-bearing system).

OPTIONAL SEALS

- Where smoke or water sealing is required, apply a suitable sealant in accordance with the sealant manufacturer's instructions (generic guidance only; Danterr can advise).

HANDLING AND STORAGE

- Store in a dry area, out of direct sunlight.
- Keep in original sealed packaging until ready for use.
- Avoid exposure to heat, sparks, or open flames.
- Shelf Life (months): 60 months
- No incompatibilities reported.

SAFETY INFORMATION**CLASSIFICATION**

- Not classified as hazardous according to Safe Work Australia criteria (GHS Rev. 7).
- Not classified as Dangerous Goods for road, rail, sea, or air transport.

COMPOSITION

- Graphite (<40%)
- PVC Resin (<30%)
- Polyurethane Foam (<25%)
- Remaining: Non-hazardous ingredients

PRECAUTIONARY STATEMENTS

- Avoid creating or inhaling dust when cutting or sanding.
- Use in well-ventilated areas.
- Maintain good personal hygiene – wash hands after handling.
- Eating, drinking, or smoking should be prohibited in contaminated areas.

FIRST AID MEASURES

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.
- **Skin Contact:** Wash with running water if contamination occurs. Remove contaminated clothing.
- **Eye Contact:** Rinse immediately with plenty of running water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Unlikely under normal use. If ingested, rinse mouth with water and seek medical advice.

FIRE FIGHTING MEASURES

- Flammability: Non-flammable. May evolve toxic gases if strongly heated (CO, CO₂, other decomposition products).
- Suitable Extinguishing Media: Water spray, foam, CO₂, or dry chemical.
- Special Hazards: No explosion hazard.
- Firefighter Protection: Wear self-contained breathing apparatus (SCBA) and full protective equipment.

ACCIDENTAL RELEASE MEASURES

- Wear PPE (gloves, dust mask if cutting or sanding).
- Collect and reuse where possible.
- Prevent from entering drains or waterways.
- Dispose of in accordance with local regulations.

EXPOSURE CONTROLS / PPE

- Engineering Controls: Use local exhaust ventilation if generating dust.
- Eye Protection: Not required under normal use. Safety glasses are recommended when cutting.
- Skin Protection: Gloves recommended.
- Respiratory Protection: If dust is generated, use a P1 (Particulate) respirator.

TOXICOLOGICAL INFORMATION

- Expected to be of low acute toxicity.
- Not classified as a skin irritant, eye irritant, or sensitizer.
- No evidence of mutagenicity, carcinogenicity, or reproductive toxicity.
- Inhalation of dust may cause mild irritation.

ECOLOGICAL INFORMATION

- Low toxicity to aquatic organisms.
- Not readily biodegradable but stable in the environment.
- Not bioaccumulative.
- Not volatile; unlikely to disperse rapidly into air or water.

DISPOSAL CONSIDERATIONS

- Collect and reuse where possible.
- Dispose via landfill or controlled incineration in accordance with local regulations.
- Packaging can be recycled if clean.

TRANSPORT INFORMATION

- Not classified as Dangerous Goods under ADG, IMDG, or IATA.

REGULATORY INFORMATION

- All components are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).
- No SUSMP poison schedule number allocated.