

FIRESTOP Gap Seal-50

FIRESTOP Gap Seal-50 is an intumescent thermoplastic strip filled with flame retardants and binders. This preformed linear joints seal is a passive fire protection product designed for sealing gaps and openings in construction elements. It consists of intumescent strips interlaid with flame retardant polyurethane foam layers, offering reliable and effective fire sealing performance.

The intumescent material in FIRESTOP Gap Seal-50 begins to expand at approximately 175°C, enabling rapid closure of joints and the formation of a dense char plug. This quick reaction ensures an effective barrier against the spread of smoke and fire, maintaining the integrity of the construction.

The product has been locally tested to AS 1530.4-2014 in an IANZ-accredited laboratory and is fully compliant with AS 4072.1 and the New Zealand Building Code.



TECHNICAL DATA

Colour	Black & anthracite grey
Appearance	Flexible seal
Product dimensions	1,000mm length & 70mm thick
Expansion temperature	Approx. 175° C
Reaction to fire	B2
Density	1.35±0.15g/cm ³
Expansion ratio	±20%
Expansion pressure	Minimum 0.2-0.6N/mm ² (300° C)
Thickness (basic version and with self-adhesive tape)	A mm (± 0.3 mm) A is 0.8/1/1.5/2/2.5/3 /3.5/4/5/6/8/10/12/15mm
Thermal conductivity	0.193 W/(mK)
Storage requirements	Store in cool and dry conditions. Protect from frost & heat

KEY FEATURES

- Resistant to atmospheric influences including light, heat, frost, UV radiation, and humidity.
- Free from organic solvents and halogens.
- Expands without exerting pressure on adjacent materials.
- High expansion ratio for effective sealing.

RECOMMENDED APPLICATION:

FIRESTOP Gap Seal is fire resistant protection in joints, slits and other openings in buildings and construction structures. It can be installed in minimum 120 mm thick concrete floors or ceilings, in joints up to 50 mm wide.