

# FireStrip-ALX

*2 or 4-hour barrier in construction movement joints*

*Designed for long linear installations in horizontal and vertical applications*



## *Technical Data Sheet*

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## KEY BENEFITS

- Fire rated up to 240mins
- Acoustic isolation to 22dB
- Highly flexible and water resistant
- Halogen free, resists fungi and vermin
- Tested in linear joints up to 150mm wide, concrete floors, block wall, concrete and masonry
- See MORE benefits below

### INTRODUCTION

FireStrip-ALX is elastomeric foam laminated with a graphite based intumescent compound on both sides. It is designed to perform as a 2 or 4-hour barrier in construction movement joints. Designed for long linear installations in horizontal and vertical applications.

FireStrip-ALX is a flexible water resistant seal that expands when exposed to heat. It can also be used as a fire barrier inside cable trunkings allowing for the installation of further cables.



### BENEFITS

The advantages of FireStrip-ALX are:

- ✓ Fire rated up to 240 mins
- ✓ Acoustic Isolation to 22dB
- ✓ Air Permeability testing to 600Pa - 100Pa
- ✓ Tested in Block Wall, Concrete and Masonry
- ✓ Tested in Concrete Floors
- ✓ Tested in Linear Joints up to 150mm wide
- ✓ Tested with Cables, Cable Bunches, Cable Trays and Cable Trunking
- ✓ Contributes to Green Building
- ✓ Joint movement capability of +/- 50%
- ✓ Highly flexible and water resistant
- ✓ Maintenance free
- ✓ Available up to 150mm gap size
- ✓ Halogen free, resists fungi and vermin

### INSTALLATION

1. Ensure the surrounding area is free from dust.
2. Do not install against substrates that bleed oils, plasticizers or solvents.
3. Compress seal between fingers & press into place.
4. Ensure that core recovers and edge of the seal is flush with the face of the joint.
5. Seal can be cut easily with Stanley knife to give correct fitting path.

**SPECIFICATION**

<b>Colour</b>	Black
<b>Density</b>	75Kg/m <sup>3</sup>
<b>Fire Resistance</b>	Up to 4hrs
<b>Acoustic Performance</b>	Acoustic Reduction up to 8Rw, 22DnTW EN10140
<b>Expansion Ratio</b>	25 times
<b>Max. Size of Aperture</b>	150mm
<b>Max. Size of Seal</b>	170mm (other sizes can be requested)
<b>Seal Length</b>	1000mm
<b>Seal Width</b>	Various – see table
<b>Movement Capability</b>	+/- 50% (compression of 75%/expansion)
<b>Compression</b>	75%
<b>Expansion</b>	40%

**FIRE RATING TABLE**

<b>Product Code</b>	<b>Gap Size Range</b>	<b>Dimensions of Seal</b>	<b>Integrity Rating</b>	<b>Insulation Rating</b>
ALX-10	Up to 10 mm	12 x 12 mm	120 minutes	120 minutes
ALX-20	11 - 20 mm	29 x 12 mm	120 minutes	30 minutes
ALX-25	21 - 25 mm	32 x 20 mm	120 minutes	30 minutes
ALX-35	26 - 35 mm	53 x 20 mm	120 minutes	60 minutes
ALX-50	36 - 50 mm	61 x 35 mm	120 minutes	120 minutes
ALX-65	51 - 65 mm	85 x 40 mm	120 minutes	60 minutes
ALX-75	66 - 75 mm	90 x 50 mm	120 minutes	120 minutes
ALX-100	76 - 100 mm	126 x 100 mm	120 minutes	120 minutes
ALX-125	101 - 120 mm	147 x 125 mm	120 minutes	120 minutes
ALX-150	121 - 150 mm	170 x 100 mm	120 minutes	120 minutes

## COMPLIANCE

FireStrip-ALX is manufactured in the EU, meeting the highest quality standard in compliance with BS EN ISO 9001:2008. For fire test information please contact Boss Fire & Safety Technical Services team.

## ENVIRONMENT

FireStrip-ALX contributes to a Green Building:

- Low VOC (air quality)
- No Power Tools required for installation (no energy source required)
- Dust free
- Low Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP)
- No water pollution
- Smoke and Air Tightness
- Noise Reduction
- Thermal Insulation
- Recycling of Packaging
- Avoidance of Air Filtration
- Does not emit halogenated by-products
- Contains no raw materials known to have an estrogenic effect
- The life cycle of FireStrip-ALX is over 15 years

## STORAGE AND DISPOSAL

FireStrip-ALX is not affected by outdoor environment. However, for long-term storage it is recommended that it should be stored in dry, frost free conditions below +30°C.

## LIMITATION

BOSS Fire & Safety Pty Ltd has provided the above technical information in good faith and to the best of its knowledge. This information was deemed to be correct at the time of publication. Should any data come to BOSS Fire & Safety's attention relating to the fire resistance or performance of the product described, BOSS Fire & Safety reserve the right to amend this report.

BOSS Fire & Safety strive to constantly improve and develop products so this information may change without notice.

## FURTHER TECHNICAL INFORMATION

For additional technical information on the performance of FireStrip-ALX or other BOSS products please contact our Technical Services team on:

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