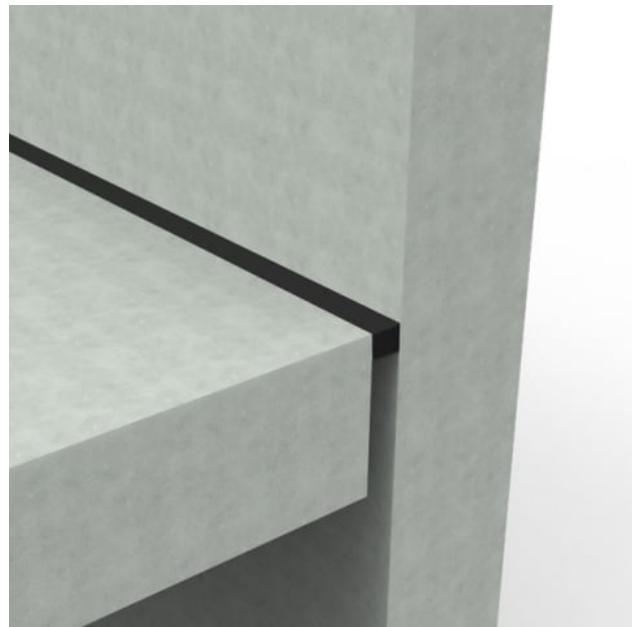


Siderise Linear Gap Seal E120

Siderise LGS E120 (Linear Gap Seal E120) is an intumescence based solution designed to seal horizontal junctions between building elements to resist the spread of fire, providing up to 120 minutes of integrity (E120).



Application

Siderise LGS E120 Linear Gap Seals are flexible intumescence linear gap seals that expand when exposed to heat. They provide a versatile means of sealing horizontal junctions between building elements against fire penetration. They are maintenance-free and resistant to vermin.

The compressible foam core accommodates different joint widths to allow for allow for structural movement whilst providing fire resistance to fire.

Standard sizes are available to suit voids up to 20mm and provides 2 hours fire resistance (Integrity only).

Product Description

Siderise LGS E120 Linear Gap Seals are made from a compressible and flexible composition with layered intumescence and polymeric foam strips.

In fire conditions, the seal maintains a close-fitting position to prevent the passage of fire. At the designed temperature, the intumescence layer begins to expand on the fire side of the joint.

During this reaction, the foam gradually compresses and is replaced by the expanding mass of intumescence graphite.

The seal retains its flexibility on the non-fire side to accommodate any heat-induced movement of the structural elements. Thus, the fire is prevented from penetrating rapidly into the joint.

Fire Performance

Table 1: Fire Resistance to BS EN 1366-4:2021 (Horizontal Application)

Product Type	Max. Joint Width (mm)	Seal Width (mm)	Seal Depth (mm)	Integrity (E) (mins)
LGS/E120/10-20MM	20	28	12	120

Application Technique: The substrate must be clean, dry and free of debris. The linear gap seal should be compressed into the gap/joint ensuring that the intumescent is correctly oriented parallel to the opposing faces of the void.

Siderise LGS E120 Linear Gap Seals are supplied in 1 meter lengths with a width to suit the size of the gap required.

The standard sizes are listed in the Fire Resistance table, Table 1, above. For small voids above 20mm we recommend the use of CW-FS, please consult our technical service team for more installation guidance for these applications.

- Block/masonry/concrete walls and floors shall be at least 150mm thick and have at least the same fire rating as that of the Linear Gap Seal.
- Block/masonry/concrete gap faces must be within the density range of 450 to 2300kg/m³, and gap faces must be free from loose or flaking material.

Environmental

Siderise LGS E120 Linear Gap Seals environmental properties:

- Halogen-free
- Individual components may be separated mechanically; however, they are currently not recyclable

Additional Information Available

The following information is available upon request or via download from the website:

- Material Handling Sheet

Technical Support

For technical advice or support please contact: technical.services@siderise.com

For Installation Training or Site Inspections please contact: site.services@siderise.com

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