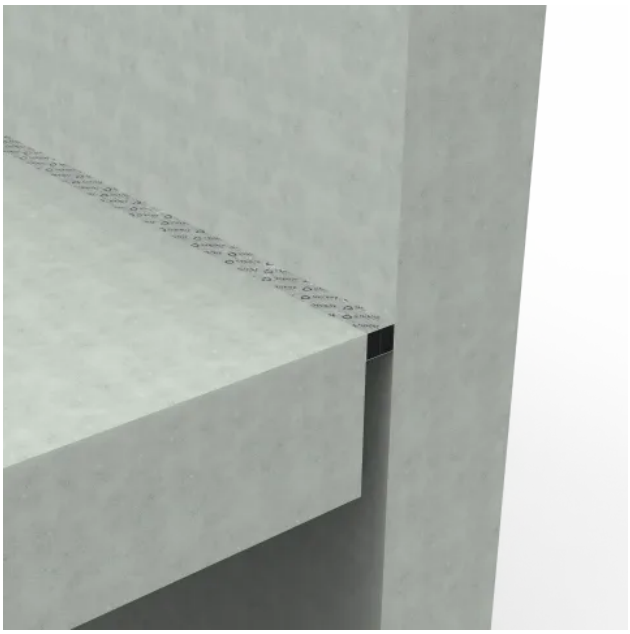
Siderise FLGS Foiled Linear Gap Seal



Siderise FLGS (Foiled Linear Gap Seal) is an intumescent based solution designed to seal junctions between building elements to resist the spread of fire and smoke, providing up to 120 minutes of integrity (E120).

Application

Siderise FLGS Foiled Linear Gap Seals are flexible, water-resistant, intumescent linear gap seals that expand when exposed to heat. They provide a versatile means of sealing junctions between building elements against fire penetration. They are maintenance-free and resistant to fungi and vermin.

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

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

Product Description

Siderise FLGS Foiled Linear Gap Seals are made from a compressible and flexible composition with layered intumescent and polymeric foam strips wrapped in 100 micron siderise branded foil.

In fire conditions, the seal maintains a close-fitting position to prevent the passage of smoke. At the designed temperature, the intumescent coating 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 intumescent 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

Product Type	Max. Joint Width (mm)	Seal Width (mm)	Seal Depth (mm)	Integrity (E) (mins)
FLGS/FS120/012-012	10	12	12	120
FLGS/FS120/029-012	20	29	12	120

Application Technique: Compressed into gap/joint ensuring that the intumescent is correctly oriented parallel to the opposing faces of the void.

Siderise FLGS Foiled 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 above. For small voids above 20mm we recommend the use of CW-FS, please consult our technical service team for more installation guidance for this application

- 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 FLGS Foiled 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, support, or to request a copy of a test or classification report - please contact: technical.services@siderise.com

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

Context

The information in this datasheet is believed to be accurate at the date of publication. Siderise has a policy of continuous product improvement and reserves the right to alter or amend the specifications of products without prior notice. Siderise does not accept responsibility for the consequences of using the products described outside of the recommendations within this datasheet. Expert advice should be sought where there is any doubt about the correct specification or installation of Siderise products.

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