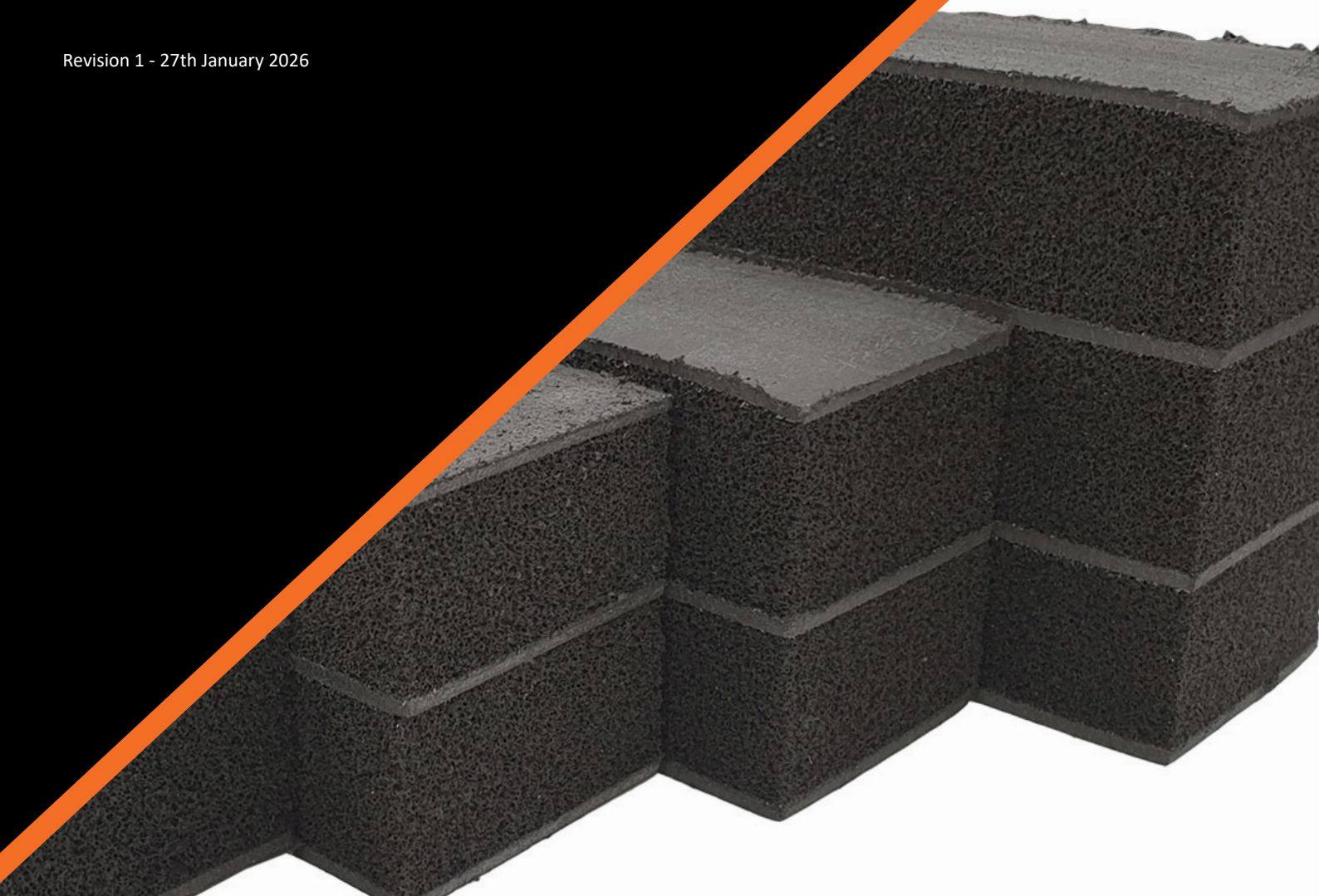


Technical Data Sheet

Astro Linear Joint Seal

Revision 1 - 27th January 2026



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General Product Description

The Astro Linear Joint Seal is an advanced intumescent thermoplastic designed to provide exceptional fire protection. It is formulated with flame retardants and binders that enable high-performance volume expansion and pressure sealing. Encased in an elastomeric, acoustically rated foam, the system allows for significant movement while maintaining its sealing properties.

This system is specifically designed to reinstate the fire resistance of wall and floor constructions in linear gap seals. It has been rigorously tested to EN 1366-4: 2021, the standard for fire resistance tests on service installations, specifically for linear joint seals. The Astro Linear Joint Seals are available in five different widths, making it suitable for gap sizes ranging from 10mm to 100mm in rigid walls and floors. It offers a fire resistance period of up to EI120 for both rigid walls and floors, depending on the width of the seal.

Installation is simple and efficient, as the system is designed for a friction-fit application, ensuring a secure and reliable seal without the need for additional adhesives or fixings. This makes it an ideal solution for maintaining fire safety in buildings while allowing for structural movement and acoustic performance.

Product Details

- To reinstate fire resistance through rigid floors and walls.
- Linear construction joints.
- Tested to EN1366-4 : 2021 Fire resistance tests for service installations - Part 4: Linear joint seals.
- Available in five different widths to cover gap sizes from 10mm to 100mm in rigid walls and floors.
- Fire resistance period for rigid walls of up to EI120 dependent upon width.
- Fire resistance period for rigid floors of up to EI120 dependent upon width.
- Friction fit.

Installation & Operation

Astroflame recommend installation of Astroflame products is carried out by 3rd party certified installers.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles. Adequate space and accessibility should be provided for installation of the Astro Linear Joint Seal system. Appropriate Astro Linear Joint Seal product size must be selected depending on the gap size. Astro Linear Joint Seal system can accommodate linear joints to a maximum width of 100mm.

AFLJS25 10mm to 25mm joint size
AFLJS35 26mm to 35mm joint size
AFLJS50 36mm to 50mm joint size
AFLJS75 51mm to 75mm joint size
AFLJS100 76mm to 100mm joint size

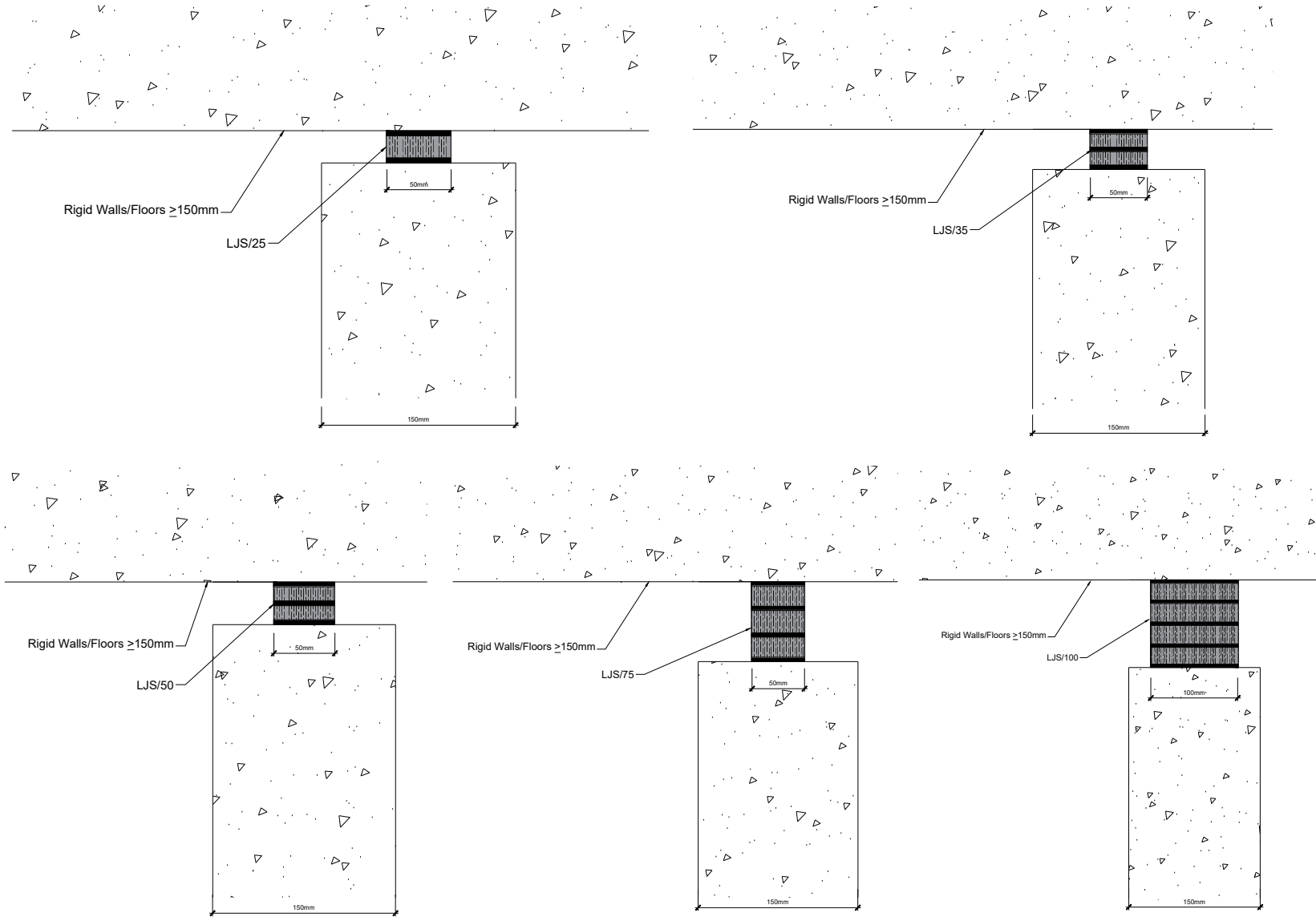
Compress Astro Linear Joint Seal between fingers and press into place. Slide in to place to ensure a snug fit to the surrounding building element. Ensure that core recovers and edge of the seal is flush with the face of the joint. Lengths can be cut easily with a Stanley knife to give correct fitting length. Abutting lengths must be positioned tightly together so there are no gaps. Competence records should be kept for all individuals installing this product(s). Installations should be suitably recorded and logged.

Maintenance

Recorded inspection should be conducted in line with the maintenance and inspection schedule defined for the building/project. These inspections should be completed and recorded by suitably competent individuals at intervals outlined in the operation and maintenance manual relevant to the building.

Ensure Safe Access and Egress when carrying out maintenance or inspection. Where product(s) is damaged or tampered, new product should be installed in line with installation guidance.

Astro Linear Joint Seal - Head of Wall, Rigid Walls and Rigid Floors 150mm



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Technical Details

Supporting Test Data:

- 23988B

Test Standard:

- EN1366-4:2021

Fire Resistance Performance:

Product Reference and Dimensions	Fire Resistance Void Sizes (mm)
LJS/25 - 1000mm x 32mm x 50mm	EI 120 D - W10 to W25
LJS/35 - 1000mm x 53mm x 50mm	E 120, EI 90 D - W25 to W35
LJS/50 - 1000mm x 61mm x 50mm	EI 120 D - W35 to W50
LJS/75 - 1000mm x 95mm x 50mm	E 90, EI60 D - W50 to W75
LJS/100 - 1000mm x 134mm x 100mm	EI 90 D - W75 to W100

Supporting Construction:

Rigid walls ≥ 150mm

The supporting construction must meet the fire resistance requirement of the proposed firestopping detail. Supporting construction must be installed and apertures formed in line with manufacturer's guidance

Installation:

Astroflame recommend installation of Astroflame products is carried out by 3rd party certified installers.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles.

Compress Astro Linear Joint Seal between fingers & press into place. Slide in to place to ensure a snug fit to the surrounding building element.

Ensure that the core recovers and edge of the seal is flush with the face of the joint. Lengths can be cut easily with a Stanley knife to give correct fitting length.

Abutting lengths must be positioned tightly together so there are no gaps.

Competence records should be kept for all Individuals involved.

Issue No.	Drawing Reference	Date
1	LJS-001	30/07/2025

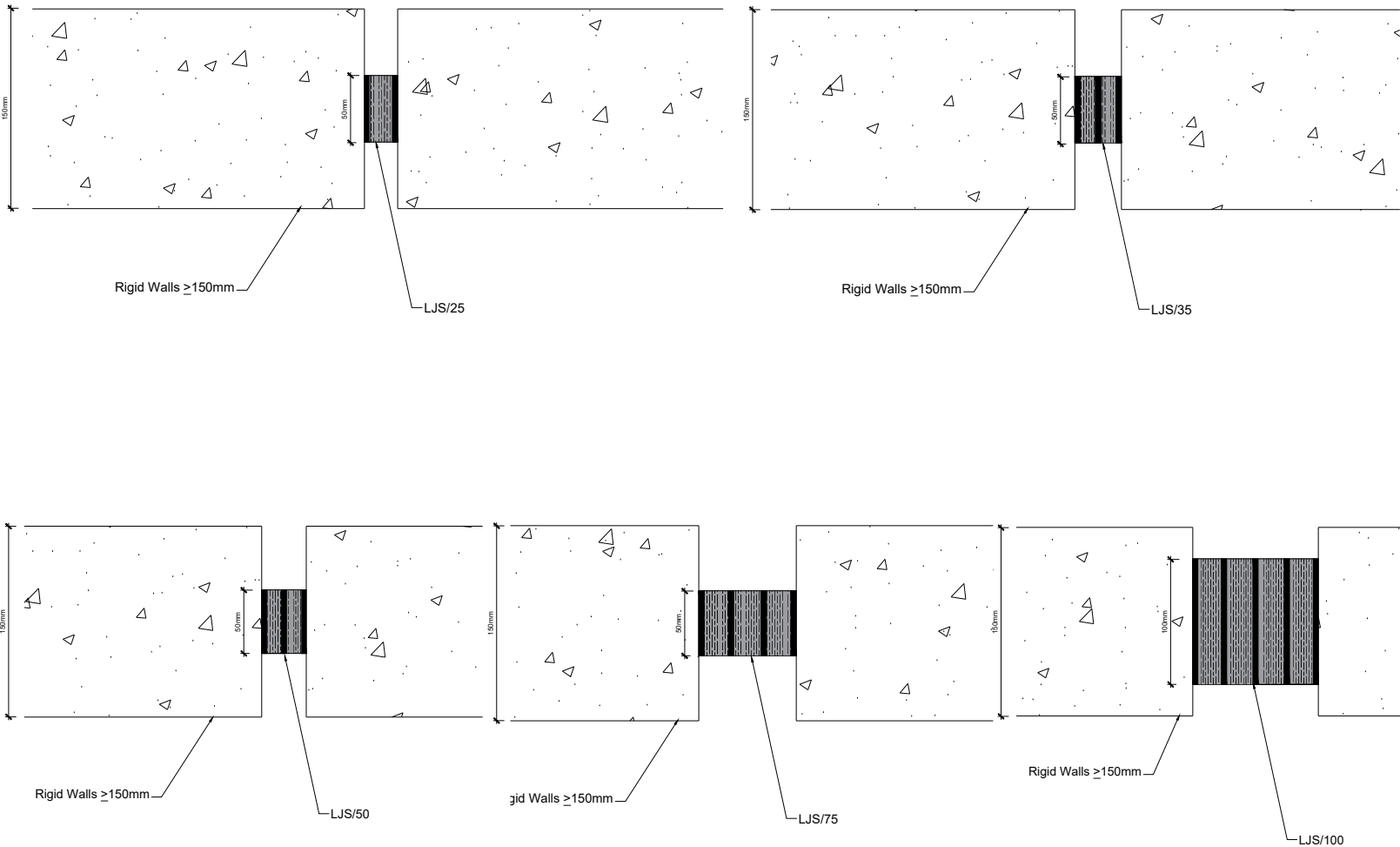
STANDARD DETAIL

Drawing Title: Astro Linear Joint Seal sysem for head of wall applications in rigid walls ≥150mm

Scale : NTS

Reviewed by : N/A

Astro Linear Joint Seal - Vertical, Rigid Walls Floors 150mm



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Technical Details

Supporting Test Data:

-WF 545935/R

Test Standard:

-EN1366-4:2021

Fire Resistance Performance:

Product Reference and Dimensions	Fire Resistance Void Sizes (mm)
LJS/25 - 1000mm x 32mm x 50mm	E 240/EI 120 - V - X - W10 to W25
LJS/35 - 1000mm x 53mm x 50mm	E 240/EI 180 - V - X - W25 to W35
LJS/50 - 1000mm x 61mm x 50mm	E 240/EI 120 - V - X - W35 to W50
LJS/75 - 1000mm x 95mm x 50mm	EI 90 - V - X - W50 to W75
LJS/100 - 1000mm x 134mm x 100mm	EI 120 - V - X - W75 to W100

Supporting Construction:

Rigid walls ≥ 150mm

The supporting construction must meet the fire resistance requirement of the proposed firestopping detail. Supporting construction must be installed and apertures formed in line with manufacturer's guidance

Installation:

Astroflame recommend installation of Astroflame products is carried out by 3rd party certified installers.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles.

Compress Astro Linear Joint Seal between fingers & press into place. Slide in to place to ensure a snug fit to the surrounding building element.

Ensure that the core recovers and edge of the seal is flush with the face of the joint. Lengths can be cut easily with a Stanley knife to give correct fitting length.

Abutting lengths must be positioned tightly together so there are no gaps.

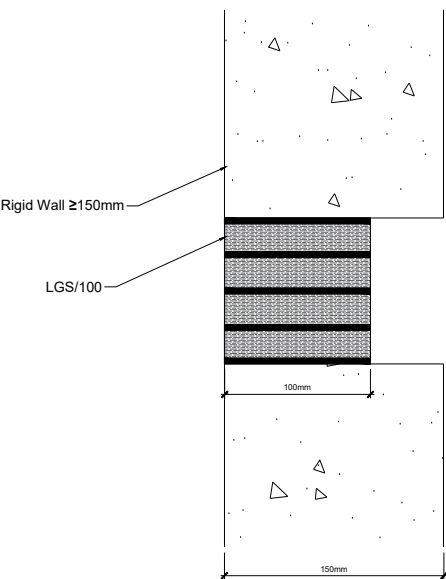
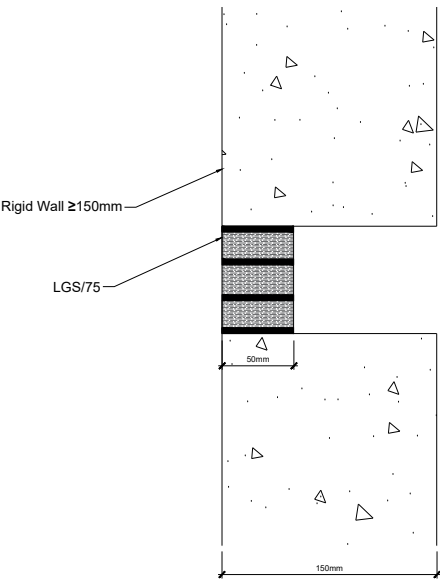
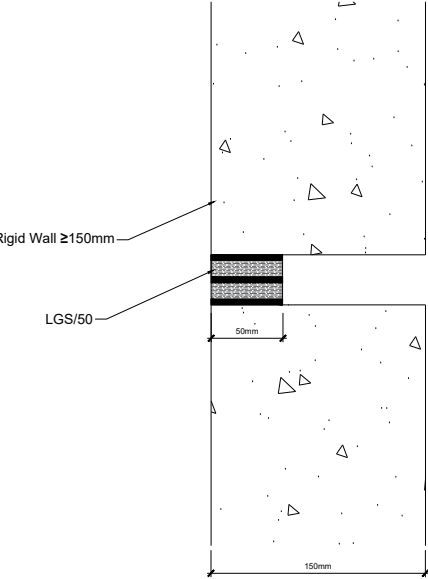
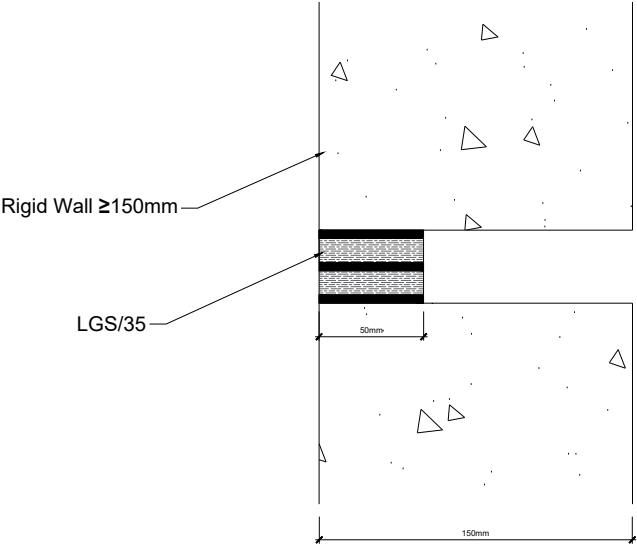
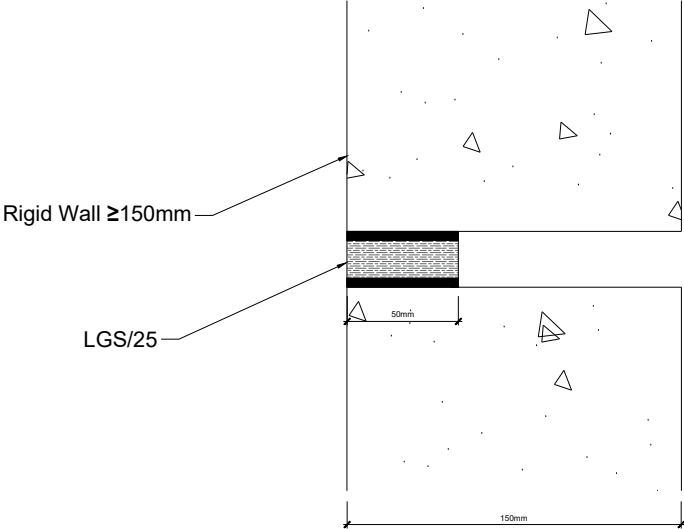
Competence records should be kept for all Individuals involved.

Issue No.	Drawing Reference	Date
1	LJS-002	30/07/2025

STANDARD DETAIL

Drawing Title: Astro Linear Joint Seal system for vertical linear joints in rigid walls ≥150mm

Astro Linear Joint Seal - Horizontal, Rigid Walls 150mm



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Technical Details

Supporting Test Data:

-23514B

Test Standard:

-EN1366-4:2021

Fire Resistance Performance:

Product Reference and Dimensions	Fire Resistance Void Sizes (mm)
LJS/25 - 1000mm x 32mm x 50mm	E 120/EI 90 - H - X - W10 to W25
LJS/35 - 1000mm x 53mm x 50mm	EI 120 - H - X - W25 to W35
LJS/50 - 1000mm x 61mm x 50mm	EI 120 - H - X - W35 to W50
LJS/75 - 1000mm x 95mm x 50mm	E 90, EI 60 - H - X - W50 to W75
LJS/100 - 1000mm x 134mm x 100mm	E 120, EI60 - H - X - W75 to W100

Supporting Construction:

Rigid walls ≥ 150mm

*The supporting construction must meet the fire resistance requirement of the proposed firestopping detail. Supporting construction must be installed and apertures formed in line with manufacturer's guidance

Installation:

Astroflame recommend installation of Astroflame products is carried out by 3rd party certified installers.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles.

Compress Astro Linear Joint Seal between fingers & press into place. Slide in to place to ensure a snug fit to the surrounding building element.

Ensure that the core recovers and edge of the seal is flush with the face of the joint. Lengths can be cut easily with a Stanley knife to give correct fitting length.

Abutting lengths must be positioned tightly together so there are no gaps.

Competence records should be kept for all Individuals involved.

When the risk of fire is to be considered from both sides of the substrate it is required that the LJS is doubled up for this application.

Issue No.	Drawing Reference	Date
1	LJS-003	30/07/2025

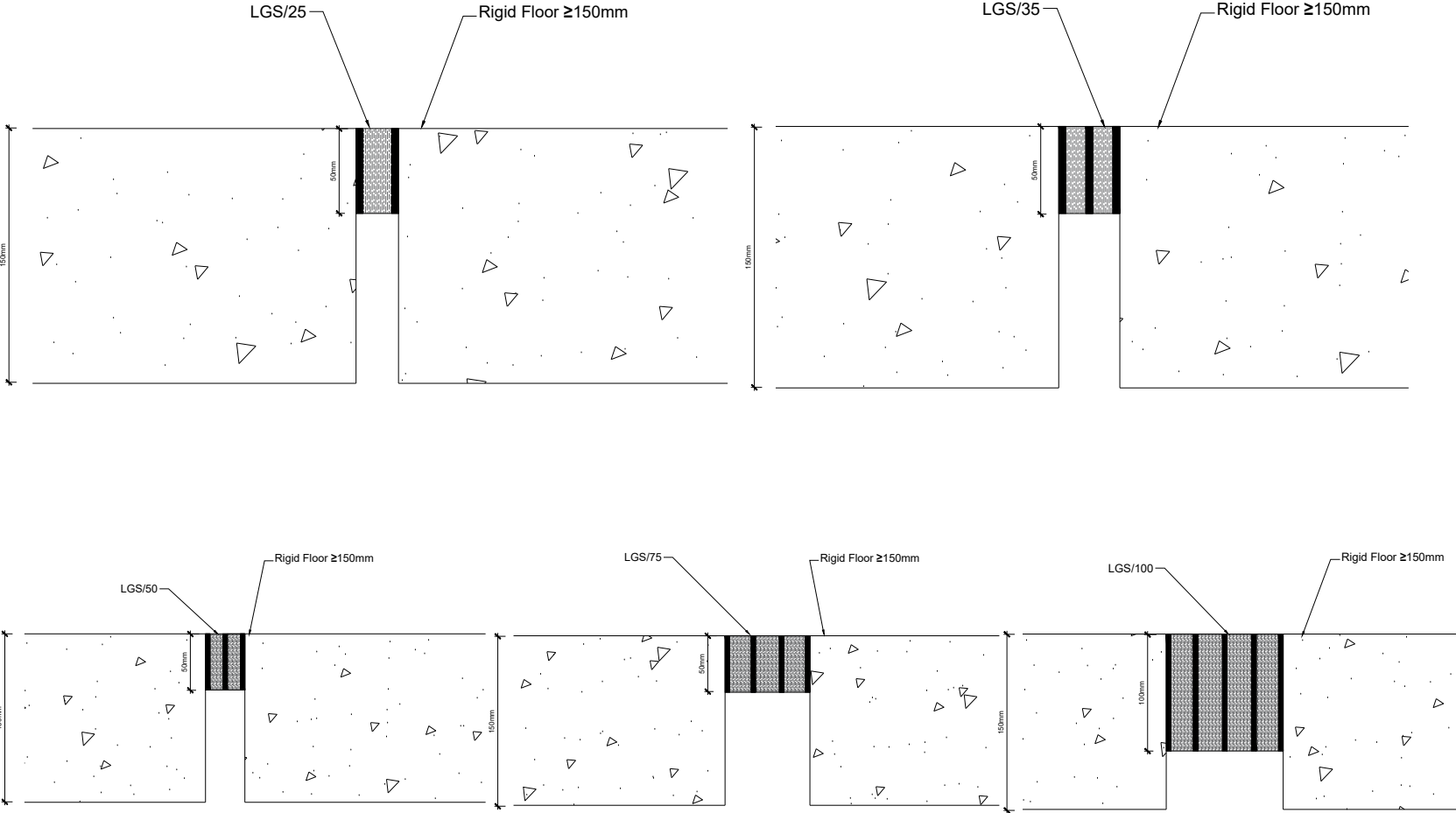
STANDARD DETAIL

Drawing Title: Astro Linear Joint Seal system for Horizontal linear joints in rigid walls ≥ 150mm

Scale: NTS

Reviewed by: N/A

Astro Linear Joint Seal - Rigid Floors 150mm



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Technical Details

Supporting Test Data:

WF 23513A

Test Standard:

EN1366-4:2021

Fire Resistance Performance:

Product Reference and Dimensions	Fire Resistance Void Sizes (mm)
LJS/25 - 1000mm x 32mm x 50mm	EI 120 - F - X - W10 to W25
LJS/35 - 1000mm x 53mm x 50mm	EI 120 - F - X - W25 to W35
LJS/50 - 1000mm x 61mm x 50mm	EI 120 - F - X - W35 to W50
LJS/75 - 1000mm x 95mm x 50mm	E 90, EI 60 - F - X - W50 to W75
LJS/100 - 1000mm x 134mm x 50mm	EI 120 - F - X - W75 to W100

Supporting Construction:

Rigid Floors ≥ 150mm

The supporting construction must meet the fire resistance requirement of the proposed firestopping detail. Supporting construction must be installed and apertures formed in line with manufacturer's guidance

Installation:

Astroflame recommend installation of Astroflame products is carried out by 3rd party certified installers.

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose particles.

Compress Astro Linear Joint Seal between fingers & press into place. Slide in to place to ensure a snug fit to the surrounding building element.

Ensure that the core recovers and edge of the seal is flush with the face of the joint. Lengths can be cut easily with a Stanley knife to give correct fitting length.

Abutting lengths must be positioned tightly together so there are no gaps.

Competence records should be kept for all Individuals involved.

Issue No.	Drawing Reference	Date
1	LJS-004	30/07/2025

STANDARD DETAIL

Drawing Title: Astro Linear Joint Seal system for linear joints in rigid floors ≥150mm

Scale: NTS

Reviewed by: N/A

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to the relevant Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

For further information on installation requirements please confirm compatibility with your application, if in doubt please contact the technical team with your ceiling specification on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

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