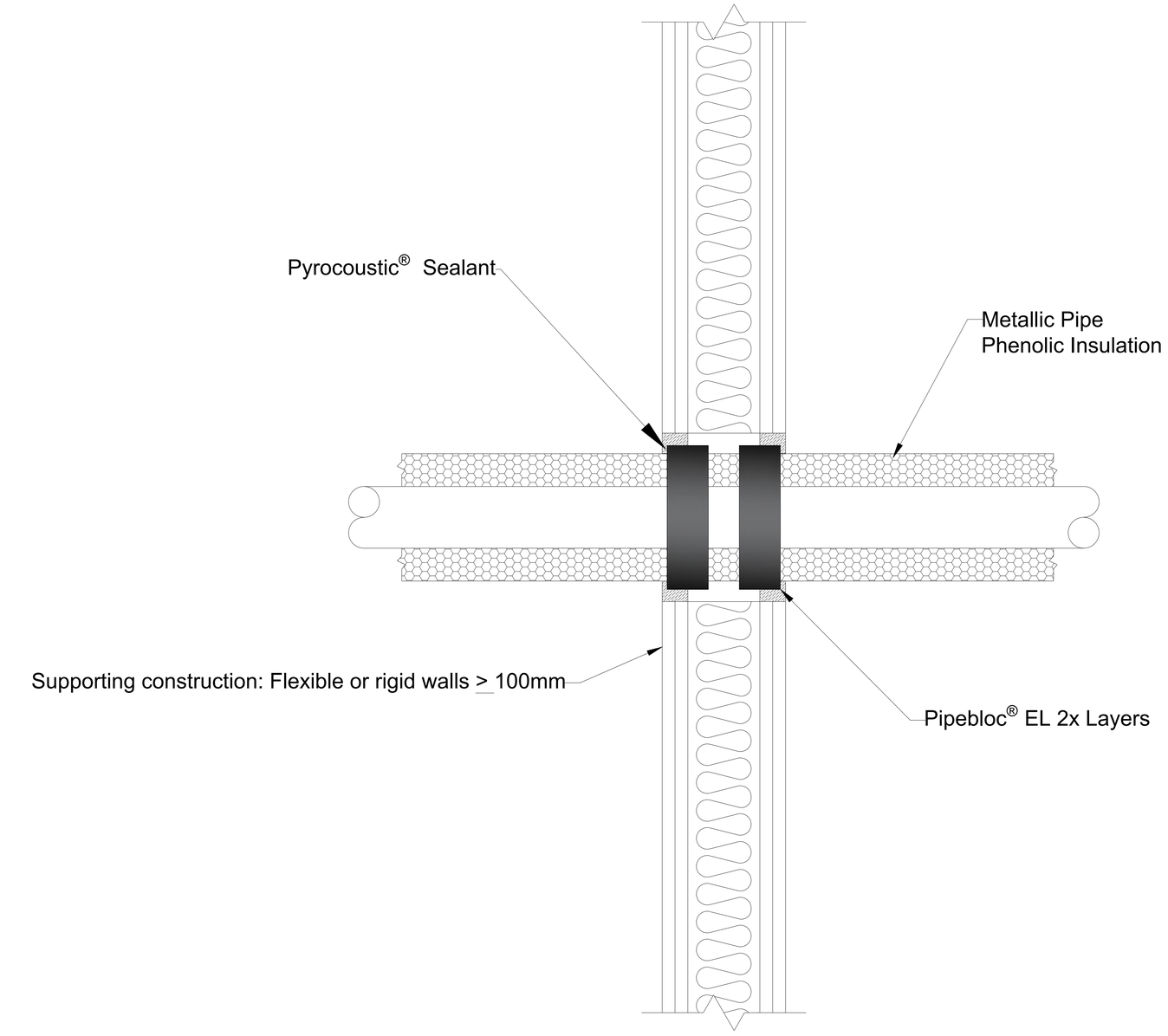

Technical Details

Supporting Test Data:

- **549571/R**

Test Standard:

- **EN1366-3:2021**

Fire Resistance Performance:

<54mm Copper Pipe, >1.5mm WT, 20mm Phenolic Insulation C/S - 2x Layers Pipebloc EL	E 120 , EI 60 C/C
<54mm Copper Pipe, >1.5mm WT, 40mm Phenolic Insulation C/S - 2x Layers Pipebloc EL	EI 120 C/C

Supporting Construction:

Flexible walls ≥ 100mm - Insulated - 2x 12.5mm Plasterboards to each side
**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*

Service Supports:
<400mm
**Service supports must be appropriately fire resistant*

Installation:
FSi Ltd. recommend installation of FSi Ltd. 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.

Peel of self adhesive strip. Start to wrap Pipebloc EL around the service ensuring enough layers in line with scope of test data, use self-adhesive to secure. Push into aperture or in line with aperture. Apply the second Pipebloc EL to the other side of the wall.

The void depth should be such as to provide a minimum sealant depth required as per tested systems.The sealant should be gunned firmly into the aperture ensuring that it is in full contact with the substrate and service where applicable. Failure to carry this out may result in poor adhesion of the sealant and ultimate failure of the system.Tooling of the sealant may be necessary to achieve an acceptable appearance. This is accomplished by drawing a flat tool over the surface of the sealant to produce a smooth neat finish. Tooling also compresses the sealant into the aperture enhancing the adhesion to the substrate and service where applicable.

Penetration Service Details:
See 'Fire resistance performance' above

Minimum Separation Between Penetration Services:
100mm

Minimum/Maximum Opening Size:
4 - 14mm Annular Voids

Issue No.	Drawing Reference	Date
1	EL-023	09/07/2025

STANDARD DETAIL

Drawing Title: Pipebloc® EL system for phenolic insulated copper pipes in rigid or flexible walls ≥100mm.

Scale : NTS	FSi Limited Westminster Industrial Estate Tamworth Road Measham Leicestershire DE12 7DS
Drawn by : FSi Limited	
Reviewed by : N/A	