



FSi Ltd. products are manufactured to rigid standards of quality. Any product which has been applied in accordance with FSi Ltd.'s written instructions and in any application recommended by FSi Ltd., but which is proved to be defective in product quality, will be replaced free of charge. No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct at time of issue. Any drawings provided are for illustrative purposes only. FSi Ltd. reserves the right to alter product specifications without prior notice, in line with our Company policy of continuous development and improvement. Changes due to new findings are possible, errors and misprints are not excluded. No liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

FSi Ltd. have no control over the methods of installation, competence of operatives or suitability of site conditions, no warranties, expressed or implied, are intended to be given as to the actual performance of the product/system mentioned within this document.

| Technical Details | | |
|--|----------------------------|-------------------------|
| Supporting Test Data: 359904 | | |
| Test Standard: EN 1366-3: 2009 | | |
| Fire Resistance Performance: | Maximum Aperture size (mm) | |
| Copper/Steel pipe 40mm – 159mm Ø 1.2mm – 14.2mm wall thickness | 1200 x 730 | EI 120 - U/C, C/C |
| Copper/Steel pipe 40mm Ø 1.2mm – 14.2mm wall thickness | | E 120, EI 90 - U/C, C/C |
| Copper/Steel pipe 40mm – 159mm Ø 1.2mm – 14.2mm wall thickness | 2600 x 2600 | EI 60 - U/C, C/C |

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*

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.
Adequate space and accessibility should be provided for applying and tooling the sealant. A suitable backing material to control the sealant depth may be required, please refer to tested systems. The joint depth should be such as to provide a minimum sealant depth required as per tested systems.
The sealant should be gunned firmly into the joint/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.
Using a trowel or pallet knife apply a thick layer of Pyrocoustic Sealant to all areas of contact around the opening prior to installing the Stopseal Batt. Apply a similar thickness of Pyrocoustic Sealant to the cut Stopseal Batt other than the area directly around the penetration service where Pyropro HPE will be installed.
Please see Stopseal Batt Technical data sheet for further installation guidance on Friction/Patress fit systems.
Competence records should be kept for all Individuals installing this product (s). Installations should be suitably recorded and logged.

| | |
|---------------------------------------|--|
| Copper/Steel Pipe penetration service | Pyropro Hpe installed to a 25mm depth to both sides of the substrate with a 20mm annulus in a double friction fit Stopseal Batt system |
|---------------------------------------|--|

Penetration Service Details:
See 'Fire resistance performance' above

Minimum Separation Between Penetrations:
50mm

Opening Size:
See Fire resistance performance table above

Minimum Distance to Edge:
50mm

| Issue No. | Drawing Reference | Date |
|-----------|-------------------|------------|
| 01 | HPE-021 | 16/07/2021 |
| | | |

TESTED DETAIL

Drawing Title: Pyropro Hpe installed in a double friction fit Stopseal Batt system for Copper/steel Service



| | |
|------------------------|--|
| Scale : NTS | FSi Limited Westminster Industrial Estate Tamworth Road Measham Leicestershire DE12 7DS FSi DEVELOP MANUFACTURE PROTECT FIRE STOPPING & COMPARTMENTATION SYSTEMS |
| Drawn by : FSi Limited | |
| Reviewed by : N/A | |