



**Technical Details**

**Supporting Test Data:** UL-EU-00642-EN

**Test Standard:** EN 1366-3:2021

**Fire Resistance Performance:**

Steel pipe 42mm - 150mm Ø, 2.4 - 14.2mm wall thickness, 50mm thick 80kg/m <sup>3</sup> foil faced stone wool, C/S	1200mm x 1200mm opening	E120, EI60 C/U
Steel/Copper pipe 42mm - 54mm Ø, 1.5 - 14.2mm wall thickness, 25mm thick 80kg/m <sup>3</sup> foil faced stone wool, C/S		E90, EI60 C/U

**Supporting Construction:**

Flexible/Rigid Walls > 100mm - framed and lined  
*\*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.

Ensure that the aperture and services in question are tested with FlexiCoat® system. All services and apertures need to be clean and clear of all dust and loose particles. The aperture temperature needs to be at 5°C or above at time of installation. The FlexiCoat® system must be in the orientation that ensure the lamellas are positioned to allow for compression. For FlexiCoat® installation, stone wool backing material must be manufactured in accordance with EN 13162: 2001. Install min. 100mm depth of stone wool (minimum 80kg/m<sup>3</sup>) with a minimum 20% compression fit between the substrates effectively flush with the upper surface of the floor. Brush or trowel over the stone wool with FlexiCoat®. Ensure FlexiCoat® is applied to a minimum DFT (dry film thickness) of 1mm which will require minimum 2.5mm WFT (wet film thickness). Clean all tools and application equipment with water immediately after use.

Competence records should be kept for all Individuals installing this product(s). Installations should be suitably recorded and logged.

**Minimum Separation Between Penetration Services:**

50mm

**Maximum Opening Size:**

1200 x 1200mm

**Minimum Distance to Edge:**

50mm

Issue No.	Drawing Reference	Date
01	FLEXI-010	05/12/2024

**TESTED DETAIL**

Drawing Title: FlexiCoat® with metallic pipes and C/S stone wool insulation in a flexible or rigid wall >100mm

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

Scale : NTS

Drawn by : FSi Limited

Reviewed by : N/A

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