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Technical Details

Supporting Test Data: 537512/R / 549572

Test Standard: EN 1366-3:2021

Fire Resistance Performance:

	Max Void 1200 x1200mm	Max Void 1200 x 730mm
Steel \leq 150mm \varnothing , \geq 2.0mm wall thickness, \geq 40mm thick Stonewool of \geq 100kg/m ³ density, L/I 400mm	E120, EI90 C/C	
Steel \leq 76mm \varnothing , \geq 3.3mm wall thickness, \geq 25mm thick Stonewool of \geq 80kg/m ³ density, L/I 400mm	E120, EI90 C/C	E120, EI90 C/C
Copper or Steel \leq 22mm \varnothing , \geq 0.9mm wall thickness, \geq 25mm thick Stonewool of \geq 80kg/m ³ density, L/I 400mm	E120, EI90 C/C	E120 C/C
Copper or Steel \leq 22mm \varnothing , \geq 0.9mm wall thickness, \geq 40mm thick Stonewool of \geq 45kg/m ³ density, L/I 400mm	E120, EI90 C/C	E120 C/C

Supporting Construction:

Flexible/Rigid Walls \geq 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/m³) 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 of the same type:

50mm

Maximum Opening Size:

1200 x 1200mm

Minimum Distance to Edge:

50mm

Issue No.	Drawing Reference	Date
03	FLEXI-011	14/07/2025

TESTED DETAIL

Drawing Title: FlexiCoat® installed to metallic pipes, insulated with local stonewool insulation



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