



#### Technical Details

Supporting Test Data: UL-EU-00642-EN

Test Standard: EN 1366-3:2021

#### Fire Resistance Performance:

Material	Opening Size	Fire Resistance
PVC-U, PVC-C pipes 32mm Ø, 1.8 - 3.7mm wall thickness	1200mm x 1200mm opening	E190 C/C
PVC-U, PVC-C pipes 40mm Ø, 1.8 - 3.7mm wall thickness		
PVC-U, PVC-C pipes 50 - 125mm Ø, 1.8 - 7.4mm wall thickness		
PP pipes 32mm Ø, 2.9 - 6.9mm wall thickness		E120, E190 C/C
PP pipes 40mm Ø, 2.9 - 6.9mm wall thickness		
PP pipes 50 - 125mm Ø, 2.9 - 17.1mm wall thickness		
PE, ABS, SAN-PVC pipes 32mm Ø, 2.9 - 4.6mm wall thickness		E120, E190 C/C
PE, ABS, SAN-PVC pipes 40mm Ø, 2.9 - 4.6mm wall thickness		
PE, ABS, SAN-PVC pipes 50 125mm Ø, 2.9 - 11.4mm wall thickness		
PE, ABS, SAN-PVC pipes 50 125mm Ø, 2.9 - 11.4mm wall thickness		

#### 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<sup>®</sup> 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<sup>®</sup> system must be in the orientation that ensure the lamellas are positioned to allow for compression. For FlexiCoat<sup>®</sup> 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<sup>®</sup>. Ensure FlexiCoat<sup>®</sup> 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:

100mm

#### Maximum Opening Size:

1200 x 1200mm

#### Minimum Distance to Edge:

100mm

#### No of Layers:

PipeBloc <sup>®</sup> EL applied to both sides of wall	
Pipe diameter (mm)	No. layers
40 - 82	2
83 - 110	3
111-125	4

For Further Information surrounding the correct installation of the PipeBloc<sup>®</sup> EL system please see Technical Data Sheet.

Issue No.	Drawing Reference	Date
01	FLEXI-008	27/11/2024

#### TESTED DETAIL

Drawing Title: FlexiCoat<sup>®</sup> and PipeBloc<sup>®</sup> EL with plastic pipes in a flexible or rigid wall >100mm

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Scale : NTS

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