

Penopatch

Technical Data Sheet





Contents

Contents	Page
• Product Technical Data	1 - 2
- Product Overview	
• Performance Data - Walls	3
- 100mm Flexible and Rigid Walls	



Product Technical Data

Product Overview

Technical Description of the Product

FSi's PenoPatch is a putty based penetration sealing device for small cables and conduits in flexible and rigid walls. The PenoPatch is available in 60mm and 100mm diameter disc's, it has also ben tested to EN 1366-3.

Intended Use

The specific elements of construction that the system PenoPatch may be used to provide a penetration seal in, are as follows:

- Fire resistance testing to EN 1366-3 60 minutes.
- Fire resistance tested in flexible walls, rigid walls.
- Tested in service openings 25mm x 25mm and 50mm x 50mm.
- Tested with Small Metallic Pipes, Cables, Cable Bunches.

Key Product Points

- Easy installation.
- Up to EI60 fire resistance.
- 2 different size combinations, covering most small openings.
- Ideal for Historical Building Upgrades or new build.



Product Technical Data

Description for NS Putty Pads	Result	Test Standard
Colour	Green or White	
Density	1.55-1.6 g/cm ³	ISO 2811-1:2011
Thickness	4mm	
Fire Resistance	Up to 60 minutes	EN 1366-3: 2009
Expected Shelf Life	12 months from DOM	Store in dry conditions unopened

Installation

Ensure that the aperture and services in question are tested with PenoPatch, and the site conditions are within the application specification. the maximum apperture must be no bigger that 25mm x 25mm for the 60mm diameter PenoPatch or 50mm x 50mm for the 100mm diameter PenoPatch.

All services and apertures need to be and thoroughly clean and clear of all dust and loose particles. The aperture temperture needs to be at 5°C or above at time of installation.

Upon installation make sure that you peel off the back protective paper and apply the PenoPatch around the with the logo face up, with the slit facing down.

Smoothly fit the PenoPatch around the service and tightly press into place.



Performance Data - Walls

Substrates

The walls shall be a minimum of **100mm thick unless otherwise indicated**. Drywalls shall comprise a minimum of 2 layers of 'Type F' Gypsum board on both faces, with minimum 50mm studs. Masonry / Concrete walls shall have a minimum density for concrete or brick of 780kg/m³ and for aerated concrete blocks of 600kg/m³. All walls shall have at least the same fire resistance as that required for the sealing system.

Service support requirements

Services should be rigidly supported via steel angles, hangers or channels, not further than 400mm from the surface of the sealing system on both faces unless specified otherwise in the performance data.

FLEXIBLE AND RIGID WALL

Cables and Conduits

Wall Construction with a minimum wall thickness of 100mm. Maximum 25mm diameter aperture.			
Penetration Specification	PenoPatch Size	Integrity	Insulation
Blank Seal	The PenoPatch used is 4mm thick x 60mm diameter	120	60
Sheathed Cables up to 21mm dia		60	30
Copper Conduits up to 16mm dia		120	15
Steel Conduits up to 16mm dia		120	15
Plastic Conduits up to 16mm dia		60	60

FLEXIBLE AND RIGID WALL

Cables and Conduits

Wall Construction with a minimum wall thickness of 100mm. Maximum 50mm diameter aperture.			
Penetration Specification	PenoPatch Size	Integrity	Insulation
Blank Seal	The PenoPatch used is 4mm thick x 100mm diameter	60	60
Sheathed Cables up to 21mm dia		60	45
Copper Conduits up to 16mm dia		60	15
Steel Conduits up to 16mm dia		60	15
Plastic Conduits up to 16mm dia		60	30



FSi has Technical Representatives who provide assistance in the selection and specification of FSi products. For more information, specification and technical advice please call our Head Office on Tel: +44 (0) 1530 515130. Guarantee / Warranty: FSi products are manufactured to rigid standards of quality. Any product which has been applied in accordance with FSi's written instructions and in any application recommended by FSi, 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. FSi Limited reserves the right to alter product specifications without prior notice, in line with our Company policy of continuous development and improvement.