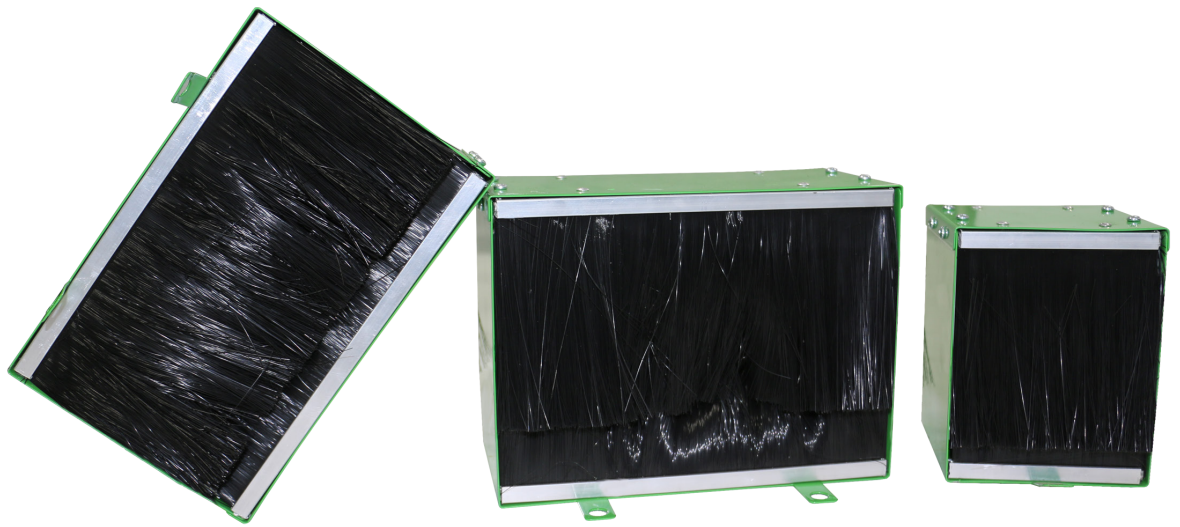


Pass-it Transit System Technical Data Sheet



riba
product
selector



FSi Limited
Westminster Industrial Estate
Tamworth Road
Measham
DE12 7DS
UK

www.fsilttd.com
Email: technical@fsilttd.com
Tel: +44 (0) 1530 515130
Fax: +44 (0) 1530 273564





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

Pass-It Transit System is a pre-assembled, multi layered Intumescent device encased in a 2 part steel shell. It is designed to prevent the passage of fire between compartment floors and walls, offering smoke and acoustic isolation whilst still allowing for the easy installation/removal of services. There are 11 different sizes available depending on the number and size of the services. It can be formed into a modular grid forming an easy route for services.

PASS-IT Transit Systems are unaffected by oil, fungus, moisture, vermin, weather and contains no halogens or asbestos.

PASS-IT Transit System is a multi layered service transit system designed to accommodate new or existing penetrations. Housed in a metal or composite shell, it has intumescent sachets of aqueous expanding paste liquid. For new builds simply slide the PASS-IT Transit System through the pre-cast / cut aperture, then when ready push the service (cable / pipe) etc through the liquid intumescent.

How to Use

For existing build split the outer case, close the case around the required service, slide into place and fix the lid ensuring that the liquid intumescent pads are central the shell.

Key Product Points

- Easy installation of services.
- Certifire CF5237.
- Instant entry / re-entry.
- Up to 2 hours FR - E120 EI 60.
- Use of advanced Intumescent Technology.
- Good Acoustic isolation properties.
- 11 different size combinations.
- Brackets included in the pack.
- Can be module fixed together.
- Superior level of sustainability.
- Ideal for Historical Building Upgrades or new build.



Product Technical Data

Description	Results	Test Standard
Description	Steel or Composite case construction with an intumescent centre	
Expansion Ratio	24 times volume	ETAG 026
Activation Temp	140°C	
Fire Testing	E120 EI60, 120 minutes integrity / 120 minutes insulation	EN1366-3, AS 1530.4-2014
Acoustic	34dB Acoustic Reduction	EN10140
Expected Shelf Life	N/A	N/A

Installation

Ensure that the aperture and services in question are tested with Pass-it Transit System, and the site conditions are within the application specification. Sufficient gap in the wall for the Pass-it Transit System must be available. Seal any visible gaps around the Pass-it transit system using Pyrocoustic or Pyrolastic Sealant.

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.

Upon installation make sure that you install Pass-it Transit System into the substrate using required fixings (where applicable). Seal off the outside perimeter edges of the Pass-it Transit System with Pyrocoustic Sealant.

Typical Sizes

	Width	Height	Depth
Type A	300	100	120
Type B	200	100	120
Type C	100	100	120
Type D	300	100	150
Type E	200	100	150
Type F	100	100	150
Type G	300	150	150
Type H	100 dia	X	120
Type I	150 dia	X	120
Type J	100 dia	X	150
Type K	150 dia	X	150



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

Wall Constructions with a minimum wall thickness of 100mm.		
Penetration Specification	Perimeter Sealing	Classification
Pass-It Transit System, with electrical cables type D1, F.	10mm x 10mm of Pyrocoustic Sealant applied to the perimeter edges.	EI 60 E 120

Wall Construction with a minimum wall thickness of 124mm.					
Penetration Specification	Pass-it Size	Insulation	Perimeter Sealing	Integrity	Insulation
Rehau RauTitan Platinum 20 x 2.8mm PE-X	Pass-it Transit System 150mm wide x 270mm deep x 150mm high	P40, 300mm wide x 38mm	10mm x 10mm of Pyrocoustic Sealant applied to the perimeter edges.	120 minutes	120 minutes
Rehau RauTitan Gas Stabil 20 x 2.9 PE-X Yellow (gas)					
Data Cable					
Coax Cable 75 Ohm					
32NB Medium Galvanised steel pipe					
DN25 Type B copper pipe					
20mm uPVC Conduit					
Electri Cable					
10mm ² Cu					
Cable, Fire Alarm System - Light Duty					

Tested in accordance with AS 1530.4-2014

Wall Construction with a minimum wall thickness of 124mm.					
Penetration Specification	Pass-it Size	Insulation	Perimeter Sealing	Integrity	Insulation
Rehau RauTitan Platinum 20 x 2.8mm PE-X	Pass-it Transit System 300mm wide x 270mm deep x 150mm high	P40, 300mm wide x 38mm	10mm x 10mm of Pyrocoustic Sealant applied to the perimeter edges.	120 minutes	120 minutes
Rehau RauTitan Gas Stabil 20 x 2.9 PE-X Yellow (gas)					
Data Cable					
Coax Cable 75 Ohm					
32NB Medium Galvanised steel pipe					
DN25 Type B copper pipe					
20mm uPVC Conduit					
Electri Cable					
10mm ² Cu					
Cable, Fire Alarm System - Light Duty					

Tested in accordance with AS 1530.4-2014



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.