

Technical Data Sheet

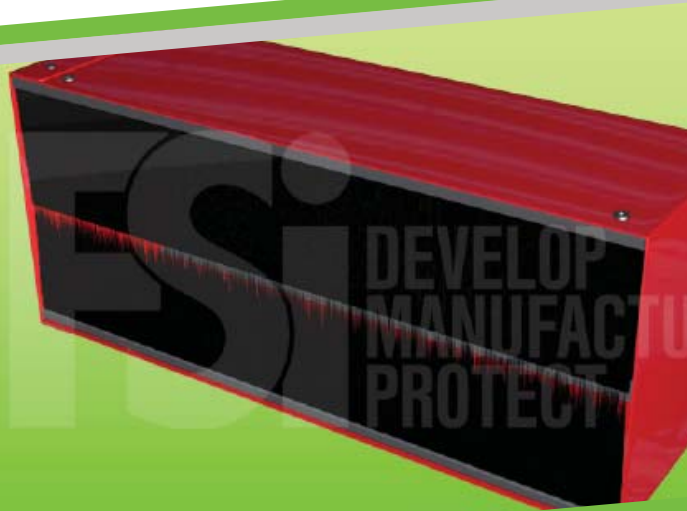
Pass-it Transit System

UIC of product-type:

Issue: 2.1
Jan 2017



CE Certification
Air Permeability
Movement Rigid Walls
Pipes Linear joints
Acoustic Rating
Trays Rigid Floors
CE Certification
Air Permeability



CE Certification
Penetration Seals
Movement Rigid Walls
Metallic Pipes Linear
Flexible Walls Acoustic
Cable Trays Rigid
Plastic Pipes CE Certification
Air Permeability



APPROVED
CF5237

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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 | EN1366-3 |
| Acoustic | 34dB Acoustic Reduction | EN10140 |

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.

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.

| | 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

ETA 14-0044
CE-1121-CPR-JA5023

Substrates

The walls shall be a minimum of **100mm thick**. Drywalls shall comprise a minimum of 2 layers of 'Type F' Gypsum board on both faces, with minimum 50mm studs. Masonary / 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 |



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