

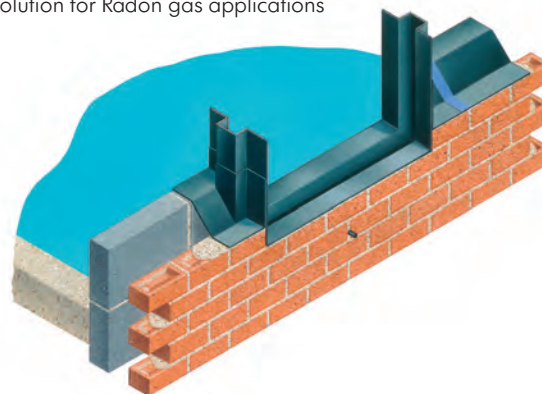
Specifications

Product name - group	Type PAT Protective Adjustable Threshold
Cavity widths accommodated	Cavity widths up to 150mm
Dimensions	All opening widths accommodated
Bespoke options	Yes
Traditional construction compatible	Yes
Timber frame construction compatible	Yes
New work applications	Yes
Retrofit applications	Yes
Masonry skin styles	Split/variable style compatibility limited
Undulating masonry faces	Depends on extent of deviation
Congruent with other wall elements	Designed for Cavicloser accompaniment
Arrested water evacuation	N/A - no horizontal arrestment
Thermal transmission of material	Negligible - 0.15
Material	Polypropylene DPC
Colour	Black
Extrudes / compresses under load	No
Pack size / weight	Varies pending design
CFC	CFC Free
ODP	Zero
Regulation compliance	Yes See Designers' Comments
May be used if cavity insulation present?	Yes with compliant insulation types
CAD downloads	Yes
Design considerations	Side connectors to suit all profiles of cavity barrier. Flexibility - Integration at different levels either side of opening possible should ground and construction levels dictate.

TYPE PAT

Protective Adjustable Threshold

- Contaminated Land Application when integrated with adjoining elements
- Rising gas arrested and controlled
- Downward gravitating water evacuated
- Integrates with reveal Caviclosers
- Ensures uninterrupted dual protection
- Adjusts to construction course levels
- Compatible with numerous wall barrier profiles
- Designed solution for Radon gas applications



Use

Where gas barriers are present within the external walls of a building and the door opening levels punctuate the arrangement, there is a requirement to maintain gas-protection. Commonly door openings are at a different level (access requirements) resulting in additional discontinuity of protective arrangement against rising gas. The Type PAT provides both gas and water protection under and to the sides of every opening and does so in a way that eliminates discontinuity and provides adjustable connection with adjacent barriers.

(this entry to be read in conjunction with section dealing with Radon /contaminated land)

Solution

The Type PAT – Protective Adjustable Threshold – is a three-dimensional DPC unit that is bedded within the external wall opening.

Integration between wall barriers and the Type PAT is achieved using the adjustable side connectors that attach to the Type PAT and slide up and down to the requisite level. The cavity face of each connector has a projecting connection profiled to match that of the external wall DPC/barrier profile. Once in position, all lapping sections are lap-sealed and gas-tape bonded. The footprint membrane is integrated in the usual way to maintain gas-resistant integrity.

The reveal closers (compatible cavicles available) descend into the cavity-projecting sides of the Type PAT, terminating within its channel base in which are located flow-out drainage conduits*. This channel base can additionally accommodate an optional insulating strip if thermal enhancement is sought under the sill.

The Type PAT is supplied in one or more connecting sections to suit the structural opening dimensions.

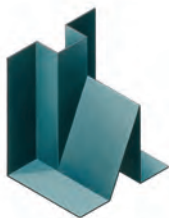
The side connectors are supplied with different projecting profile options to match the wall barrier profile selected by the designer.

*Part C, page 37. 5.32 describes closers having fins, these allow water to discharge at the closer base.

How to Order

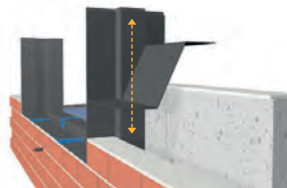
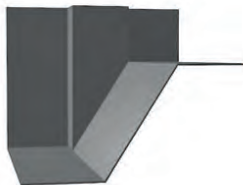
We recommend you use our free scheduling service. Alternatively, state structural opening, cavity width & provide wall barrier profile dimensions.

Type PAT Threshold Protector in position



Side Connector with Rise & Fall profile.

Side connector lazy Z profile



Side connector attached to Type PAT ready to link with cavity barrier

[Protective Adjustable Threshold, Protective Adjustable Cavity Tray, Rise and Fall Cavity Barrier and Rise and Fall Protection Barrier are trade names of Cavity Trays Ltd]



Site form barriers amalgamating with structural openings are commonly poorly executed, of questionable gas resistance and permit damp permeation.

Bill of Quantity / Specification Wording

F30 -Clause 370 Preformed Cavity Trays

Manufacturer: Cavity Trays Ltd, Yeovil Somerset BA22 8HU
Tel: 01935 474769

Type PAT Protective Adjustable Threshold to all ground floor openings with adjustable side connectors linking and sealing with cavity gas barriers and oversite membrane integrating with Type PAT to provide continuous protection. Openings number and dimensions _____.