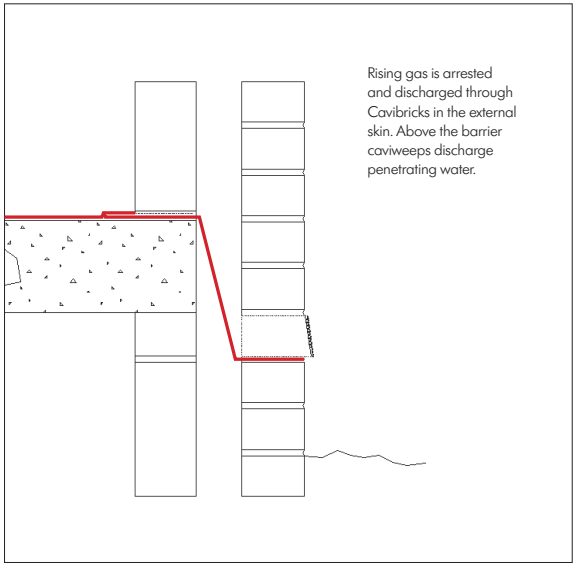
Specifications

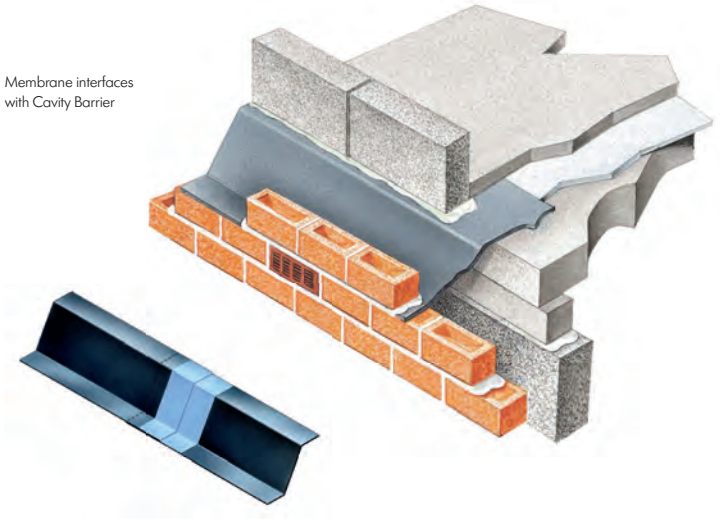
Product name	Radon Cavity Barriers
Dimensions	Profile to suit wall detail Supplied in 2440mm lengths Angles / Steps Preformed to match profile. Std angles 450mm x 450mm
Jointing method	Lap and integrity seal strip supplied in 30m rolls
Jointing method	Lap + integrity seal tape
Material	Petheleyne CTR 1.4 <1.6
Radon Permeability	Less than 1.6 10^{-12} m^2s^{-1}
Colour	Black



PREFORMED HORIZONTAL EXTERIOR WALL DAMP/RADON GAS BARRIERS

Arrestment within perimeter walls

- Gas guarding through the wall
- Integrates with oversite membrane
- Acts as DPC
- Outward stepping discharges water



Use

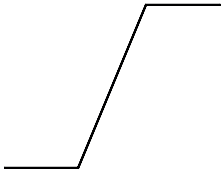
To stop Radon gas from continuing to rise within the exterior wall and cavity. To provide protection that integrates with oversite membrane.

Solution

Radon cavity barriers are built into all exterior walls around the building at floor/wall level. Their function is to arrest gas rising within the cavity/wall from permeating the structure. Barriers link with the protective oversite membrane.

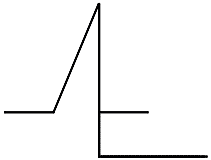
Rising gas arrested by the barrier is discharged out of the structure via appropriately located Cavibricks. The barrier is outward-stepping and shaped so any water penetrating the external masonry skin at higher level can be evacuated from the wall via Caviweeps located within perp joints. (See subsequent pages for further details)

Barriers are based on the Cavicloak design and manufactured in profiles to suit the specific construction detail. On site long runs can be swiftly formed by lap linking and sealing adjacent lengths. Preformed corners, change of level links and threshold barriers are manufactured to suit. In some instances the Radon Barrier can also function as the wall horizontal DPC, eliminating the need for this to be addressed separately.



Lazy Z Barrier

The Lazy Z profile terminates at higher level within the inner masonry skin. To maintain uninterrupted protection against rising gas the oversite membrane must lap and link which entails rising to this level.



Rise and Fall Barrier

The Rise and Fall Barrier commences and finishes at the same masonry course level. It is usually supplied with a projecting inboard section to permit it to extend and lap-link and seal with the oversite membrane.

(Specifications and full details of the above products are located on the specific product pages within the damp-proofing section)

How to Order

We recommend use is made of our take-off service. We will be pleased to schedule your requirements and provide a quotation.

Designers' Comments

Without uninterrupted interfacing of oversite membrane with cavity barrier, the protection will be discontinuous at one of the most vulnerable points – between floor and wall. Incorporating a cavity barrier that commences at the exterior skin face and projects through and beyond the cavity wall so it can seal with the oversite membrane ensures shielding measures are maximised.

Bill of Quantity / Specification Wording

F30 -Clause 320 Damp Proof / Gas Resistant Cavity Barriers

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

Radon Cavity Barrier (Z shaped / Rise and Fall) to all exterior cavity walls laid and integrated with oversite membrane to form continuous protective arrangement in accordance with manufacturers instructions. Preformed internal and external corners and stepped unit where required.

Additional Options. See how we combine a radon barrier with an insulating ground level DPC to produce a composite multi-functional solution