

# PRODUCT DATA SHEET

## DELTA RADON SUMP

Product Code: DMS045



**Radon (incl. Rn-222, Rn-220, RnD) is a naturally occurring radioactive gas which enters buildings from the underlying soil.**

The gas can accumulate within a building to such a concentration as to constitute a health hazard. Radon is excluded from buildings using passive and active systems. The provision of a suitable protection system, designed and installed by competent personnel will substantially reduce the risk of a building having radon activity above a safe level.

[info@deltamembranes.com](mailto:info@deltamembranes.com)

[www.deltamembranes.com](http://www.deltamembranes.com)

01992 523 523

### OVERVIEW

Delta Radon Sump, manufactured from medium density polyethylene plastic. The sump is octagonal in shape, and has 4 spigots intended for the insertion of 110mm diameter drainage pipe. It is constructed with a solid roof, base and walls, and is provided with 32 circular ventilation openings. One sump is enough for approximately each 250m<sup>2</sup>.

The Delta Radon Sump has 4 no. 110mm diameter spigots intended for the insertion of 110mm diameter drainage pipes. Typically, one of these pipes should be laid in accordance with standard pipe laying procedure to connect with a vertical vent pipe on the outside of the building. There should be no openings into the building such as windows or vents within 300mm of the vertical vent pipe.

The pipework from a standby Delta Radon Sump should terminate and be capped either above ground level externally or in the attic space. Externally pipes should be provided with sealed caps to prevent ingress of water or rodents. Pipe terminals should be clearly marked to indicate the function of the pipework system to facilitate later activation. By extending the pipework and installing and activating a fan, the standby Delta Radon Sump becomes a sub floor gas extraction system. The terminal should be located so that the pipework and fan can be practically fitted,

### GUIDANCE

#### 4.2 MAINTENANCE

No maintenance of the Delta Radon Sump is required.

#### 4.3 DURABILITY

When installed in accordance with this Certificate and subject to normal conditions of use, the Delta Radon Sump will provide an indefinite effective passive depressurisation effect.

#### 3.2 RADON MEMBRANES

In areas identified by the RPII as High Radon Areas, Radon resisting membranes are required to be installed in addition to the installation of a Radon sump. Such membranes must meet the requirements of BRE 211. Memtech R1 is a suitable and appropriate Radon gas barrier available from Delta Membrane Systems Ltd

# PRODUCT DATA SHEET

## DELTA RADON SUMP

Product Code: DMS045

### TECHNICAL DRAWING

