

Data Sheet

Radon Sump Unit

Product Description

The Radon Sump is manufactured from heavy duty polyethylene plastic.

The sump is constructed with a solid roof and base and is provided with 40mm diameter holes in the walls.

Spigots for 100mm pipe connections are provided at each end of the sump, but are blanked off with knock outs to allow choice of direction for extract soil pipe.

Soil pipes can be connected to a host of outlets including periscopic underfloor ventilators

Product Details

Size: 450mm x 450mm x 230mm deep

Weight: 3kg

Colour: Green

Installation Procedure

Before the sump is placed in the permeable hardcore, the ground beneath the floor should be free of topsoil and vegetable matter.

Where a concrete ground supported concrete floor is used this will result in providing a sump in the permeable hardcore layer under the slab.

All hardcore should be of a clean grade and compacted once the sump is placed in an area of maximum percolation, i.e. in the upper levels of hardcore.

The sump should be placed as close as possible to the centre of the floor plan of the building.

One sump is sufficient for approximately 200m² and for a distance not more than 15m from a sump to the nearest external wall once clean permeable hardcore is used.

The sump has 4 no. 100mm diameter capped spigots located in the walls of the sump. If only one outlet is required remove only one cap and fit a standard straight connector, then fit a 100mm diameter pipe from this connector to terminate at the cavity gas vent placed in the cavity wall of the building.

Every dwelling should have at least one sump and an associated means of extraction. Where a change in level occurs with the ground floor of a single dwelling, an extra sump should be installed and connected.

Where obstructions occur below the floor slab, this can result in a reduction of the effectiveness of the sump system and it may be necessary to provide (through vents) free airways to the rising walls or provide separate sumps in different zones.

