

**HOW TO INSTALL A PROPRIETARY RADON SUMP AND EXHAUST PIPE AT THE EXTERNAL WALL**



Excavate a pit for the sump, ensuring that, for maximum depressurisation, any fill used beneath the slab does not contain excessive fines.



Remove the blanking piece from the proprietary sump and connect a 110mm diameter PVC-U pipe to one outlet of the sump.



Extend the pipe horizontally so that it passes through the external wall. Ensure that all joints and couplings are airtight.



Backfill using a clean permeable material without excessive fines.



Terminate the pipe just above ground level, and cap it. It will then be ready for extension to form a vent if necessary.



Position the capped section of pipe so that it is about 100mm from the face of the external wall. This will allow space to accommodate a fan if necessary. Provide a plate on the wall to indicate the presence of the radon exhaust pipe.

**VISQUEEN RADON SUMP**

Colour	Various Colours: White, Black, or Green
Length	430mm
Width	430mm
Height	220mm
Material Composition	Polyethylene

**SUMPS FOR USE WITH FULL PROTECTION**

Where subfloor depressurisation is required, a Visqueen Radon Sump should be used. This is a prefabricated plastic sump, to which pipework is connected, with the joints fully sealed using the Visqueen Radon Membrane Jointing System.

A venting pipe should be connected to the sump, pass through the external wall and brought out above ground level about 100mm from the face of the external wall. The pipe is then capped until such time as a fan is installed.

**IMPORTANT**

**A sump is only installed as a fallback measure and does not provide any radon removal until a fan is installed or, if the sump is located centrally, the pipe is connected to a passive stack system. Typically sumps are installed at one unit per dwelling or every 15m radius.**