



Description

Where sub floor depressurisation is required, then a Visqueen Radon Sump should be used. In the UK this is usually a requirement in Full Protection areas

Application

Visqueen Radon Sump is a prefabricated plastic unit designed to act as a collection point for radon gas prior to it being ventilated away when connected to an extract fan.

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.

Installation

Procedure

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



Appendix A



Visqueen Building Products

Visqueen is the market leader in the manufacture and supply of structural waterproofing and gas protection systems. Visqueen offers the complete package - a proven, reliable range backed by a technical support service that goes unmatched in the market - everything you would expect from a reputable and ethical company.

System Accessories

To ensure full waterproofing protection please use the following certified system components:

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Protect&Drain
- Visqueen Top Hat Unit

Downloads Library

- Technical Datasheet
- Declaration of Performance
- Visqueen's Guide to CE Marking

Find your local stockist

Search our directory of Visqueen specification Stocking Centres to locate your nearest Visqueen Partner.

Distributor Support

Our specification Stocking Centres can access a free library of sales support tools, bespoke catalogues and more, [click here](#).

Technical support throughout your project

We are specialists in our field and can help you specify the correct solutions with the necessary performance levels, in accordance with building regulations.

- Nationwide site support team
- Specification advice
- Installation guidance & project sign off
- System design including CAD details

