



Visqueen Radon Sump

Features and benefits

- Complete protection - provides a cost effective pathway where sub floor depressurisation is required
- Lightweight - easy to handle
- Simple design - multiple outlets and quick to install

Product description

Visqueen Radon Sump is a pre-fabricated PVC roto- moulded unit consisting of four equidistant outlets. The system requires 110mm pipework to be connected with the pipework joints been fully sealed.

The sump is 460mm diameter with 110mm size outlets.

Approvals and standards

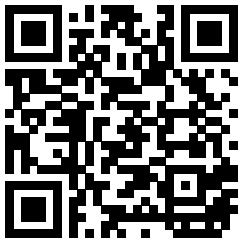
- Quality Management System ISO 9001
- Occupational Health and Safety System ISO 18001:2007
- Environmental Management System ISO 14001:2015

Usage

The Visqueen Radon Sump is required when full radon protection has been identified. The Visqueen Radon Sump can be used in a solid slab applications and a ventilated sub floor void applications. Depending on the permeability of the soil type the radon sump can draw the harmful radon gas from a radius distance of between 9m to 15m or one unit per dwelling. In solid slab applications place the Visqueen Radon Sump directly beneath the radon membrane.

System components

Find your local stockist





Visqueen Radon Sump

Storage and handling

Store in warm, dry and clean environment in its current packaging. The sump should not be exposed to long periods of ultraviolet light.

Preparation

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

Installation

Position the sump in the base of the excavated pit and ensure the sump is level. 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 approximately 100mm from the face of the external wall. Cap off the pipe with a stopper. The pipe will then be ready to extend and form a vent when necessary. Provide an identification plate on the wall to indicate the presence of the Radon Pipe. Multiple sumps can be linked to a single 110mm diameter PVC-U pipe, however do not overload the system by linking excessive sump units.

Usable temperature range

It is recommended that the radon system should not be used below 5°C

Additional information

In solid slab applications place the Visqueen Radon Sump directly beneath the radon membrane. Depressurisation within the sump can only be achieved by the installation of a mechanical fan system. For fan specification, seek specialist advice from a fan manufacturer.



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Property	Value
Unit diameter	460mm
Outlet size	110mm
Open base area of sump (approx)	72,000mm ²

Health and safety information

Please refer to material safety data sheet.

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About Visqueen

The Visqueen name has long been recognised as one of the leading manufacturers of high quality advanced membrane technologies and design based solutions by specifiers, distributors, builders merchants and contractors throughout the UK and Europe.

For further guidance on the Visqueen services shown below, please refer to the relevant section of the Visqueen website (www.visqueen.com) or contact Visqueen Technical Services on +44 (0) 333 202 6800 or enquiries@visqueen.com

Complete Range, Complete Solution



Structural
Waterproofing



Gas
Protection



Damp Proof
Membrane



Tapes



Damp Proof
Course



Stormwater



Vapour
Control

Visqueen Technical Support

Visqueen combine an extensive product portfolio with industry leading levels of service and support which includes guidance over the phone, bespoke CAD drawings to help with complex detailing, electronic NBS specifications and access to a dedicated team of highly knowledgeable and experienced field based Technical Support Managers.

Visqueen Technical Support is available to all our customers including architects, specifiers, distributors, builders merchants, contractors and end users. All of our technical team have been awarded the industry recognised qualification Certificated Surveyor in Structural Waterproofing (CSSW).

Visqueen CPD Seminars

The Visqueen Continuing Professional Development (CPD) Seminars provide up-to-date information on changes within Building Regulations/Building Standards and nationally recognised industry guidance affecting damp proofing, water vapour control, hazardous ground gas protection and below ground structural waterproofing.

The one hour seminars have been produced for design specialists within the construction sector and are delivered by our team of Technical Support Managers.

Visqueen PI designs and special projects

From initial design to the completed project, Visqueen are with you every step of the way. Whether it be hazardous ground gas protection and/or below ground waterproofing protection employing barrier, structurally integral or drained systems, Visqueen can offer professional indemnity (PI) insurance for bespoke Visqueen design solutions.

Visqueen Technical Support Managers work with all stakeholders to provide cost effective Visqueen solutions offering complete peace of mind throughout the construction phase and beyond.

Visqueen Training Academy

Based at our manufacturing facility in Derbyshire, the Visqueen Training Academy is available to support Visqueen customers throughout the UK by providing a wide range of both theory and practical skills related training.

Courses include one day product awareness training for our distributors and builders merchants to help them in their day-to-day jobs, through to intensive three day courses giving detailed hands-on training in the practical skills required for safe and robust product installation.