

Radon protection – provision of sump

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Question

Is a radon sump required where the radon barrier is installed below a ventilated air space beneath a suspended concrete floor?

Considerations

- In areas where there is a high radon potential, full radon protection is required. This should comprise a radon barrier across the ground floor supplemented by provision for subfloor depressurisation or ventilation (either a radon sump or a ventilated subfloor void).
- The depressurisation/ventilation should be provided below the level of the radon barrier.

Answer

Depressurisation/ventilation should be provided below the level of the radon barrier. Where the radon barrier is installed below the ventilated air space under a suspended concrete floor, a radon sump will be needed below the radon barrier to provide provision for this (see diagram).

