

World Radon Solutions Database

Existing Buildings

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Existing Buildings

Case Study

Sheet N°

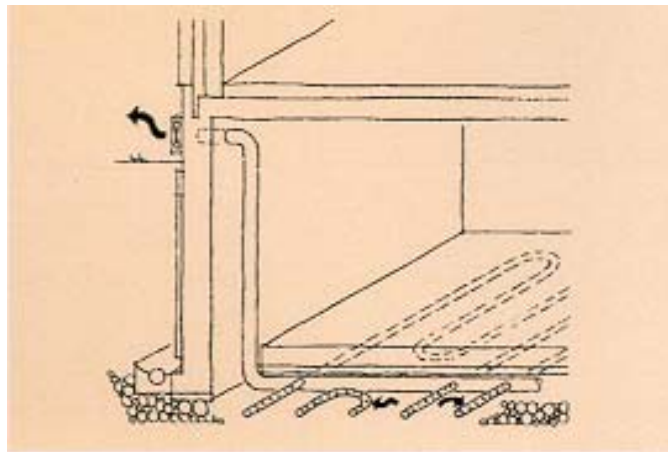
Type

Extraction of soil air

Country

Switzerland

Illustration



Description

The soil air is extracted through perforated drainage pipes. The pipes are laid in coarse gravel at a distance of about 1.5 m apart and have a diameter of about 10 cm. If the exhaust vent is placed high enough above the roof, a fan may not be necessary. Otherwise, the exhaust vent should be sheltered (snow, rain) and be at least 2 metres away from windows and doors.

Selection

This system is ideal for house restoring.

Pre-installation Diagnosis

High radon concentration and where restoration of the property is envisaged.

Radon reduction achieved

Radon reduction from 1600 Bq/m³ down to 100 Bq/m³

Problems

If you have to deal with rock, it is necessary to lay a flexible drain.
The exhaust vent should be sheltered (snow, rain) and be at least 2 metres away from windows and doors.

System enhancements

Additional measure: A gastight foil at least 0.5 mm thick may be laid over ? the pipes.

Further Information

More information about this system in the "Swiss Radon Guide" could be bought or downloaded from our website WWW.CH-RADON.CH
www.bag.admin.ch/strahlen/ionisant/radon/pdf/d/Radonhandbuch-en.pdf

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