European Radon Solutions Database

Prepared by

: ERRICCA 2 *European Radon Research and Industry Collaboration Concerted Action*

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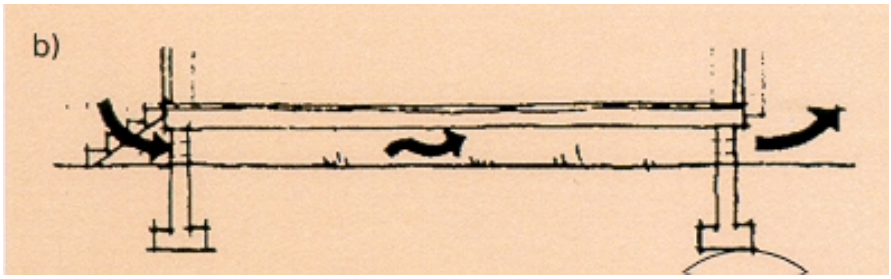
Existing Buildings

Case Study

Sheet N°

Type	Natural ventilation of the crawlspace
Country	Switzerland

Illustration



Description

The low cost method to mitigate a building: is to increase the natural ventilation of the crawlspaces under the premises. Create more or larger holes.

Selection

Buildings with existing crawlspace.

Pre-installation Diagnosis

Improve the natural ventilation with a fan and measure the radon concentration with a continuous monitor in the inhabited rooms.
It is better to effect~~uate~~ this simulation in the cold period

Radon reduction achieved

Radon reduction from 1200 Bq/m^3 down to 130 Bq/m^3

Problems

With this method there is a risk of increasing ~~it's a risk to increase~~ the energy consumption.

System enhancements

If the crawlspace consists of several parts, they must either be linked or ventilated separately.
Additional measure: If the crawlspace is accessible, sealing it with a foil may improve the situation. The foil, at least 0.5 mm thick, is laid on the soil, welded and sealed off from the walls.
Thermal insulation is advised, to decrease the energy consumption.

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

or direct from
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