

Effective protection against Radon with the fresh-air-unit from Pluggit!

What is Radon?

Radon is a noble gas that came into being through disaggregation of radium which is a decomposition product of uranium. Uranium is different concentrations almost everywhere in the earth's crust omnipresent therefore Radon is present in the ground as well. Radon is also in high concentration invisible, scentless, so you can't taste and smell it.

Sanitary effects

Radon is nowadays a worldwide known and respected problem. It is carcinogenic and a serious health problem for people which is be pointed out by The World Health Organization (WHO). Based on our current level of knowledge are 7 % of all lung cancer disease in Germany engendered by Radon and it's later products. Radon is after smoking on the second place for the reason of getting lung cancer.

How is Radon getting into the house?

Mainly Radon is getting through the ground (building ground) into houses. Therefore the impermeability is especially important on parts of the house which are connected to the ground to influence the Radon-concentration. Radon is getting easier into to the house if there are cuttings in the masonry or floor slab, leaking fugues, not enough sealing on the cable and pipes throughput holes.

How can fresh-air-units help to trim the Radon-concentration?

Regular airing get the Radon out of the house

In general you can get the radon out of your room through regular airing what will get you to more heat loss – especially during the wintertime – not with the fresh-air-unit from Pluggit with heat recovery!

No negative pressure in the House

There should be no negative pressure in the house otherwise the Radon penetrate into the house through the ground. The reason for negative pressure in the house is an unfavorable justification of the wind e.g. through the exhaust air systems
The fresh-air-unit from Pluggit is able to balance the pressure between incoming and outgoing air to prevent the loose of pressure which involve that no new Radon is getting in the house.

Hygienic-Air-Geothermal-Heatexchanger which let no Radon in

Our Hygienic-Air-Geothermal-Heatexchanger is seal for Radon! Please be aware that Geothermal-Heatexchanger which are not seal for Radon are an special source where radon can get easily into the house and the limit for Radon in closed rooms are quickly exceeded.

