

Building material

Technology sphere

The technological solution refers to the building material for production of building elements to be used in areas with geological anomalies.

The present state of technology

At the present time it is known that in the places of geological faults, ground waters or circular geysers or also zones struck by radiation of technological installations (transmitters, aeri-als, radars, generators of melting furnaces, and things like that) changes in emanation of the earth's surface arise, which can be observed especially on the boundary of two different media. This radiation type shows significantly optical properties and with its wave length as well as frequency it draws nearer to the sphere of optical radiation. The changes in emanation affect the biosystems, particularly living organisms, for they interfere in emanation of living organisms thus causing, apart from other things, the energy imbalance of the biosystem resulting in a weakening of the immune system.

In one's effort to eliminate the negative influences of the geological anomalies the properties of the optical radiation, such as interference, absorption, reflection and dispersion, or diffraction on the particle or by a slit are used as a starting point. It is e.g. the shading layers of the aluminium foil that work on the reflection principle and that operate as a reflective mirror, but of course, for a limited time, for in the course of time it comes to some changes of the surface by oxidation and so to a tarnishing of the reflective layer. There are various metal lattices, cages, etc. operating on the principle of interference, for they create their own electromagnetic field capable of interfering in the shaded emanation. The so-called auxiliary radiators with a certain emanating profile making use of interference shift the radiation frequency and amplitude to the sphere nearer to the emanation of the living organism.

The known solutions are not advantageous usually due to being temporary, capital-intensive or little efficient.

There is a considerable pressure in the practice to gain a harmless shading material or means that would be efficient and cheap so that it could be used not only for the already established geonomal influences, but also as a prevention in buildings under construction serving a longer-term stay of people or animals.

The nature of the technological solution

As material like that collagen applied for as admixture into the building materials can serve to shade the impact of the geophysical anomalies on the living organism.