“Green” Construction as Major Factor of Improving Environmental Quality and Human Health

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Abstract: This paper investigates the possibility of using “green” LEED and BREEAM standards for assessing the effectiveness of measures to reduce the adverse impact of buildings on the environment. The main influencing factors of buildings on the environment and human health as well as ways to reduce these impacts have been discussed. The examples of the application of international standards, BREEAM and LEED in construction have been described. The models of adaptation of international standards to the international environment have been studied. The prospects of Russia's first national “green” standard, “Evaluation of conformity. Environmental requirements to real estate”, which came into force in 2012, have been studied. The city of the future, according to the developed standard must be built with environmentally friendly materials and advanced energy-efficient technologies. The new standard is intended to be the beginning of creating the country’s system of ensuring environmental safety in design, construction and operation of real estate.

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