



greencoat™
“yeşil yapı bloğu”

< SOILLESS SOLUTIONS FOR GREEN >

The innovation project proposed by GreenCoat is related to the development of new coating material for roof and facades, made of pumice, minerals, organic binder and seed, which is selected according to the region flora. GreenCoat is a material, sound and heat insulation with hydroponic plants grow.

Pollution is one of the main problems in the cities. To prevent the threat to our primary sources for life; air, water and soil and the global warming that comes with it, people need to take action and increase green fields. Especially big cities are overcrowded with people and buildings; therefore planting space is becoming less. At this point every wall of a structure in a city has a potential to be a planting space. With the new green surfaces, environmental problems will be eliminated and energy savings will increase. By increasing the amount of green fields in the city GreenCoat achieves biodiversity, it decreases air pollution and helps the completion of carbon cycle. As a construction material, it protects the structure, increases energy savings, prevents noise pollution and creates an aesthetical sight.

GreenCoat is a material, sound and heat insulation with hydroponic plants grow. This system does not need any mechanical support and minimum water and maintenance is enough for it. Due to stable coating material, GreenCoat, enables to easily install and which are directly connected to the existing facades and roofs of buildings, reducing time and cost of construction and maintenance. GreenCoat is a product to protect the building with heat and sound insulation with the same energy-saving materials and provides a peaceful living environment to the user, enhancing the habitat quality of air cleanliness both user and environmentally friendly.

Alpha 1 and Alpha 2, GreenCoat MVPs, tested in labs with controlled experiments. Currently, GreenCoat is in the process of design verification and real environment testing.

TEAM

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